

Coast Guard, has delegated to the examiners the power to make initial decisions on the record, subject to conditions and limitations set forth in 46 CFR Part 137. The Commandant is charged with the responsibility for the uniform administration of marine safety laws, rules, and regulations, which include suspension and revocation proceedings. Under the delegations of authority in 49 CFR 1.4(a) by the Secretary of Transportation and in 14 CFR Part 400 by the National Transportation Safety Board, the Commandant, U.S. Coast Guard, has the final authority in all cases arising under the suspension and revocation proceedings in 46 CFR Part 137 other than when his decisions sustain the revocation decisions of examiners. The Commandant's final decision in a revocation of a license, certificate, document, or register in a suspension or revocation proceeding under 46 CFR Part 137 may be appealed to the National Transportation Safety Board in accordance with the rules of procedure in 14 CFR Part 425.

2. The purpose of this document is to bring the rules and regulations up-to-date by amending or adding to them as follows:

(a) Amend appeal procedures so that the notice of appeal by a person charged will be filed with the examiner who heard the case rather than with the District Commander who forwards it to such examiner.

(b) Add rules regarding appeals in revocation cases, including references to the applicable rules of procedure in 14 CFR Part 425 of the National Transportation Safety Board.

(c) Add rules stating the Commandant's decisions on appeals or review are public records and available for reading purposes in certain Coast Guard offices.

3. Since the amendments and new rules and regulations in this document relate to Coast Guard's policies, procedures, and practices, the law provides that notice and public procedures thereon are not required and they may be made effective in less than 30 days after publication in the *FEDERAL REGISTER* (Administrative Procedure Act, 5 U.S.C. 553).

4. By virtue of the authority vested in me as Commandant, U.S. Coast Guard, by section 632 of Title 14, U.S. Code, and the delegation of authority in 49 CFR 1.4(a)(2) (32 F.R. 5806), to promulgate rules and regulations in accordance with the laws cited with the rules and regulations below, the following amendments and new rules and regulations are prescribed and shall be effective 30 days after the date of publication of this document in the *FEDERAL REGISTER*, but prior to that effective date may be followed in lieu of existing requirements.

5. The authority for Part 1 is amended to read as follows:

AUTHORITY: The provisions of this Part 1 issued under R.S. 4405, as amended, 4462, as amended, sec. 633, 63 Stat. 545, as amended, and sec. 6(b), 80 Stat. 938; 46 U.S.C. 375, 416, 14 U.S.C. 633, 49 U.S.C. 1655(b); 49 CFR 1.4(a). Interpret or apply R.S. 4426, as amended, 4450, as amended, secs. 1, 2, 49 Stat. 1544, 1545, as amended, secs. 7, 17, 54 Stat. 165, as amended, 165, as amended, secs. 1, 2, 68 Stat. 484, as amended, sec. 3, 68 Stat. 676, sec. 3, 70 Stat. 152, sec. 4, 74 Stat. 260, as amended, secs. 551-559, 80 Stat. 381-388, as amended; 46 U.S.C. 2165, 239, 239a, 239b, 367, 390b, 404, 526f, 526p, 5 U.S.C. 551-559, 50 U.S.C. 198.

secs. 1, 2, 68 Stat. 484, sec. 3, 68 Stat. 675, sec. 3, 70 Stat. 152, secs. 551-559, 80 Stat. 381-388; 46 U.S.C. 239, 367, 239a, 239b, 390b, 50 U.S.C. 198, 5 U.S.C. 551-559.

6. Section 1.20(c)(1)(ii) is amended to read as follows:

§ 1.20 General flow of functions.

- (c) * * *
- (1) * * *

(ii) In a case where an appeal is made by the person charged, the notice of appeal is filed with the examiner who heard the case or with any Officer in Charge, Marine Inspection, for forwarding to such examiner. The examiner submits the notice of appeal and a complete transcript of the record to the Commandant.

7. Part 1 is amended by inserting after § 1.20 a new § 1.23 reading as follows:

§ 1.23 Appeals to the National Transportation Safety Board.

(a) The rules of procedure for appeals to the National Transportation Safety Board from decisions of the Commandant, U.S. Coast Guard, sustaining orders of revocation of licenses, certificates, documents, and registers are in 14 CFR Part 425. These rules give the party adversely affected by the Commandant's decision 10 days after service upon him or his attorney of the Commandant's decision to file a notice of appeal with the Board.

(b) It should be noted that 14 CFR Part 425 is limited to orders of revocation and does not apply to orders suspending licenses, certificates, documents, and registers in proceedings under this part. The National Transportation Safety Board by the delegation of authority in 14 CFR Part 400 has given to the Commandant, U.S. Coast Guard, all of its review authority in subsection 5(b)(2) of the Department of Transportation Act (49 U.S.C. 1544(b)(2)) regarding Coast Guard matters except in those cases involving orders of revocation.

8. The authority for Part 137 is amended to read as follows:

AUTHORITY: The provisions of this Part 137 issued under R.S. 4405, as amended, 4462, as amended, sec. 633, 63 Stat. 545, as amended, and sec. 6(b), 80 Stat. 938; 46 U.S.C. 375, 416, 14 U.S.C. 633, 49 U.S.C. 1655(b); 49 CFR 1.4(a). Interpret or apply R.S. 4426, as amended, 4450, as amended, secs. 1, 2, 49 Stat. 1544, 1545, as amended, secs. 7, 17, 54 Stat. 165, as amended, 165, as amended, secs. 1, 2, 68 Stat. 484, as amended, sec. 3, 68 Stat. 676, sec. 3, 70 Stat. 152, sec. 4, 74 Stat. 260, as amended, secs. 551-559, 80 Stat. 381-388, as amended; 46 U.S.C. 2165, 239, 239a, 239b, 367, 390b, 404, 526f, 526p, 5 U.S.C. 551-559, 50 U.S.C. 198.

Subpart 137.30—Appeals

9. Section 137.30-1 is amended by revising paragraphs (a) and (d) to read as follows:

§ 137.30-1 Time for filing, contents, etc.

(a) A person found guilty by an examiner may, within 30 days after the date of the order of the examiner is effective,

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Title 46—SHIPPING

Chapter I—Coast Guard, Department of Transportation

SUBCHAPTER A—PROCEDURES APPLICABLE TO THE PUBLIC [CGFR 68-20]

PART 1—ORGANIZATION, GENERAL COURSE AND METHODS GOVERNING MARINE SAFETY FUNCTIONS

SUBCHAPTER K—MARINE INVESTIGATIONS AND SUSPENSION AND REVOCATION PROCEEDINGS

PART 137—SUSPENSION AND REVOCATION PROCEEDINGS

Appeals and Review of Examiners' Decisions

1. In suspension and revocation proceedings involving licenses, certificates, documents, and registers issued to individuals by the Coast Guard or predecessor agencies, the Commandant, U.S.

(014)

Title 46—SHIPPING

Chapter I—Coast Guard, Department of Transportation
 [CGFR 67-90]

FIRE PROTECTION FOR TANK AND CARGO VESSELS

1. Pursuant to the notice of proposed rule making published in the **FEDERAL REGISTER** of January 24, 1967 (32 F.R. 795-807), and the Merchant Marine Council Public Hearing Agenda dated March 20, 1967 (CG-249), the Merchant Marine Council held a public hearing on March 20, 1967, for the purpose of receiving comments, views, and data. The proposals considered were identified as Items PH 1-67 to PH 13-67, inclusive. Item PH 6-67 (CG-249, pages 117 to 125, inclusive) contained proposals regarding fire protection for tank and cargo vessels. These proposals are adopted and set forth in this document.

2. Interested persons have been afforded an opportunity to participate in the consideration of these proposals. The Merchant Marine Council's actions with respect to comments received and proposals in Item PH 6-67 are approved.

3. As stated in 46 CFR 30.01-15 and various sections in Part 92 the amendments in this document are not retroactive in effect. Existing structure arrangements and materials previously approved will be considered satisfactory so long as they are maintained in good condition to the satisfaction of the Officer in Charge, Marine Inspection. The requirements in these amendments apply to new vessels contracted for on or after the effective date of these changes and to new installations or major alterations on existing vessels made on or after the effective date of these changes. As described in the regulations, the fire-fighting equipment amendments to 46 CFR Parts 34, 95, and 97 apply to both new and existing vessels. The amendments to the rules and regulations in this document shall be effective on and after July 1, 1968; however, the regulations in this document may be complied with in lieu of existing requirements prior to that date.

4. By virtue of the authority vested in me as Commandant, U.S. Coast Guard, by section 632 of Title 14, United States Code, and the delegation of authority in 49 CFR 1.4(a)(2) to prescribe rules and regulations in accordance with the laws cited with the regulations below:

SUBCHAPTER D—TANK VESSELS**PART 32—SPECIAL EQUIPMENT, MACHINERY, AND HULL REQUIREMENTS****Subpart 32.57—Structural Fire Protection for Tank Vessels Contracted for On or After January 1, 1963**

5. Section 32.57-5 is amended by adding a new paragraph (g) reading as follows:

C6123

§ 32.57-5 Definitions—TB/ALL.

(g) *Stairtower.* A stairtower is a stairway which penetrates more than a single deck within the same enclosure.

6. Section 32.57-10(d) is amended by revising subparagraphs (2), (4), and (9) to read as follows:

§ 32.57-10 Construction—TB/ALL.

(d) • • •

(2) Stairtowers, elevator, dumbwaiter, and other trunks shall be of "A" Class construction.

(4) The integrity of any deck in way of a stairway opening, other than a stairtower, shall be maintained by means of "A" or "B" Class bulkheads and doors at one level. The integrity of a stairtower shall be maintained by "A" Class doors at every level. The doors shall be of the self-closing type. Such doors shall be fitted with a suitable kickout panel in the lower half. Holdback hooks, or other means of permanently holding the door open will not be permitted. However, magnetic holdbacks operated from the bridge or from other suitable remote control positions are acceptable.

(9) Bulkheads, linings and ceilings may have a combustible veneer within a room not to exceed $\frac{1}{2}$ of an inch in thickness. However, combustible veneers, trim, decorations, etc., shall not be used in corridors or hidden spaces. This is not intended to preclude the use of an approved interior finish or a reasonable number of coats of paint.

(R.S. 4405, as amended, 4417a, as amended, 4462, as amended; 46 U.S.C. 375, 391a, 416. Interpret or apply sec. 3, 68 Stat. 675, sec. 6(b)(1), 80 Stat. 938; 50 U.S.C. 198, 49 U.S.C. 1655(h); E.O. 11239, July 31, 1965, 30 F.R. 9671, 3 CFR, 1965 Supp.; 49 CFR 1.4(a)(2))

PART 34—FIREFIGHTING EQUIPMENT

7. The authority note for Part 34 is amended to read as follows:

AUTHORITY: The provisions of this Part 34 issued under R.S. 4405, as amended, 4417a, as amended, 4462, as amended; 46 U.S.C. 375, 391a, 416. Interpret or apply R.S. 4488, as amended, sec. 3, 68 Stat. 675, sec. 6(b)(1), 80 Stat. 938; 46 U.S.C. 481, 50 U.S.C. 198, 49 U.S.C. 1655(h); E.O. 11239, July 31, 1965, 30 F.R. 9671, 3 CFR, 1965 Supp.; 49 CFR 1.4(a)(2).

Subpart 34.05—Firefighting Equipment, Where Required

8. Section 34.05-5(a)(7) is amended to read as follows:

§ 34.05-5 Fire-extinguishing systems—T/ALL.

(a) • • •

(7) *Internal combustion installations.* Fire-extinguishing systems shall be provided for internal combustion installations in accordance with the following:

(i) If a fire-extinguishing system is installed to protect an internal combustion installation, the system shall be of the carbon dioxide type.

(ii) On vessels of 1,000 gross tons and over on an international voyage, the construction or conversion of which is contracted for on or after May 26, 1965, a fixed carbon dioxide system shall be installed in all spaces containing internal combustion or gas turbine main propulsion machinery, auxiliaries with an aggregate power of 1,000 b.h.p. or greater, or their fuel oil units, including purifiers, valves, and manifolds.

(iii) On vessels of 1,000 gross tons and over, the construction, conversion or automation of which is contracted for on or after January 1, 1968, a fixed carbon dioxide system shall be installed in all spaces containing internal combustion or gas turbine main propulsion machinery, auxiliaries with an aggregate power of 1,000 b.h.p. or greater, or their fuel oil units, including purifiers, valves and manifolds.

SUBCHAPTER I—CARGO AND MISCELLANEOUS VESSELS**PART 90—GENERAL PROVISIONS**

9. The authority note for Part 90 is amended to read as follows:

AUTHORITY: The provisions of this Part 90 issued under R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4399, as amended, 4400, as amended, 4426, as amended, 4427, as amended, sec. 14, 29 Stat. 690, as amended, sec. 10, 35 Stat. 428, as amended, 41 Stat. 305, as amended, secs. 1, 2, 49 Stat. 1544, 1545, as amended, sec. 17, 54 Stat. 166, as amended, sec. 3, 68 Stat. 675, sec. 6(b)(1), 80 Stat. 938; 46 U.S.C. 381, 362, 404, 405, 368, 395, 363, 367, 526p, 50 U.S.C. 198, 49 U.S.C. 1635(h); E.O. 11239, July 31, 1965, 30 F.R. 9671, 3 CFR, 1965 Supp.; 49 CFR 1.4(a)(2).

Subpart 90.10—Definition of Terms Used in This Subchapter

10. Subpart 90.10 is amended by revising § 90.10-15 and redesignating it as § 90.10-14, and by adding new §§ 90.10-15 and 90.10-16, which read as follows:

§ 90.10-14 Headquarters.

This term means the Office of the Commandant, U.S. Coast Guard, Department of Transportation, Washington, D.C. 20591.

§ 90.10-15 Industrial personnel.

This term means every person carried on board an industrial vessel for the sole purpose of carrying out the industrial business or functions of the industrial vessel. Examples of industrial personnel include tradesmen, such as mechanics, plumbers, electricians, and welders; laborers, such as wreckers and construction workers; and other persons, such as supervisors, engineers, technicians, drilling personnel, and divers.

§ 90.10-16 Industrial vessel.

This term means every vessel which by reason of its special outfit, purpose, de-

sign, or function engages in certain industrial ventures. Included in this classification are such vessels as drill rigs, missile range ships, dredges, cable layers, derrick barges, pipe lay barges, construction and wrecking barges. Excluded from this classification are vessels carrying freight for hire or engaged in oceanography, limnology, or the fishing industry.

PART 92—CONSTRUCTION AND ARRANGEMENT

11. The authority note for Part 92 is amended to read as follows:

AUTHORITY: The provisions of this Part 92 issued under R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4417, as amended, 4418, as amended, 4426, as amended, 4488, as amended, 4490, as amended, sec. 10, 35 Stat. 428, as amended, 41 Stat. 305, as amended, secs. 1, 2, 49 Stat. 1544, 1545, as amended, sec. 3, 68 Stat. 675, sec. 6(b)(1), 80 Stat. 938; 46 U.S.C. 391, 392, 404, 481, 482, 395, 363, 367, 50 U.S.C. 198, 49 U.S.C. 1655(h); E.O. 11239, July 31, 1965, 30 F.R. 9671, 3 CFR, 1965 Supp.; 49 CFR 1.4(a)(2); unless otherwise noted.

Subpart 92.01—Hull Structure**§ 92.01-5 [Amended]**

12. The authority note following § 92.01-5 *Vessels subject to load line* is amended by deleting "Treasury Department Order 167-48, October 19, 1962, 27 F.R. 10504".

Subpart 92.07—Structural Fire Protection

13. Section 92.07-1 is amended to read as follows:

§ 92.07-1 Application.

(a) The provisions of this subpart, with the exception of § 92.07-90, shall apply to all vessels of 4,000 gross tons and over contracted for on or after January 1, 1962. Such vessels contracted for prior to January 1, 1962, shall meet the requirements of § 92.07-90(a).

(b) The provisions of this subpart, with the exception of § 92.07-90, shall apply to all industrial vessels of 300 gross tons and over but less than 4,000 gross tons, contracted for on or after July 1, 1968, which carry in excess of 12 industrial personnel. Such vessels contracted for prior to July 1, 1968, shall meet the requirements of § 92.07-90(b).

14. Section 92.07-5 is amended by adding a new paragraph (g) reading as follows:

§ 92.07-5 Definitions.

(g) *Stairtower.* A stairtower is a stairway which penetrates more than a single deck within the same enclosure.

15. Section 92.07-10(d) is amended by revising subparagraphs (2), (4), and (9) to read as follows:

§ 92.07-10 Construction.

(d) • • •

RULES AND REGULATIONS

PART 95—FIRE PROTECTION EQUIPMENT

17. The authority note for Part 95 is amended to read as follows:

AUTHORITY: The provisions of this Part 95 issued under R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4417, as amended, 4418, as amended, 4426, as amended, 4488, as amended, sec. 10, 35 Stat. 428, as amended, 41 Stat. 305, as amended, secs. 1, 2, 49 Stat. 1544, 1545, as amended, sec. 17, 54 Stat. 166, as amended, sec. 3, 68 Stat. 675, sec. 6(b)(1), 80 Stat. 938; 50 U.S.C. 198, 49 U.S.C. 1655(b); E.O. 11239, July 31, 1965, 30 F.R. 9671, 3 CFR, 1965 Supp.; 49 CFR 1.4(a)(2).

Subpart 95.05—Fire Detecting and Extinguishing Equipment, Where Required

18. Section 95.05-10(e) is amended to read as follows:

§ 95.05-10 Fixed fire extinguishing systems.

(e) Fire extinguishing systems shall be provided for internal combustion installations in accordance with the following:

(1) If a fixed fire-extinguishing system is installed to protect an internal combustion propelling machinery installation, the system shall be of the carbon dioxide type.

(2) On vessels of 1,000 gross tons and over on an international voyage, the construction or conversion of which is contracted for on or after May 26, 1965, a fixed carbon dioxide system shall be installed in all spaces containing internal combustion or gas turbine main propulsion machinery, auxiliaries with an aggregate power of 1,000 b. hp. or greater, or their fuel oil units, including purifiers, valves, and manifolds.

(3) On vessels, the construction, conversion or automation of which is contracted for on or after July 1, 1968, the systems shall be in accordance with the following:

(i) A fixed carbon dioxide system shall be installed in any space containing machinery using fuel having a flashpoint of less than 110° F.

(ii) On vessels of 1,000 gross tons and over, a fixed carbon dioxide system shall be installed in all spaces containing internal combustion or gas turbine main propulsion machinery, auxiliaries with an aggregate power of 1,000 b. hp. or greater,

or their fuel oil units, including purifiers, valves, and manifolds.

PART 97—OPERATIONS

19. The authority note for Part 97 is amended to read as follows:

AUTHORITY: The provisions of this Part 97 issued under R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4417, as amended, 4418, as amended, 4426, as amended, 4453, as amended, sec. 10, 35 Stat. 428, as amended, 41 Stat. 305, as amended, secs. 1, 2, 49 Stat. 1544, 1545, as amended, sec. 3, 68 Stat. 675, sec. 6(b)(1), 80 Stat. 938; 46 U.S.C. 391, 392, 404, 435, 395, 363, 367, 50 U.S.C. 198, 49 U.S.C. 1655(b); E.O. 11239, July 31, 1965, 30 F.R. 9671, 3 CFR, 1965 Supp.; 47 CFR 1.4(a)(2); unless otherwise noted.

20. The authority notes for Subparts 97.07, 97.13, 97.14, 97.15, 97.33, 97.34, 97.37, 97.55, and 97.70 and for §§ 97.80-1 and 97.75-1 are amended by deleting references to Treasury Department Orders 120, 167-38, and 167-46.

Subpart 97.70—Power-Operated Industrial Trucks

21. Section 97.70-30(b) is amended to read as follows:

§ 97.70-30 Stowage of power-operated industrial trucks aboard a vessel.

(b) Power-operated industrial trucks not meeting the conditions set forth in paragraph (a) of this section shall be stowed on the open deck except for intervals such as lunch hours, between work shifts, interdock and intraport movements. If stowed in a fixed metal enclosure located on or above the weather deck, such enclosure, in addition to having the carbon dioxide extinguishing system required by § 95.05-10(e) of this subchapter, shall have access from the weather deck only and shall have adequate ventilation, so arranged as to remove vapors from both the upper and lower portions of the space.

(R.S. 4417a, as amended, 4472, as amended, 4488, as amended, 4491, as amended; 46 U.S.C. 391a, 170, 481, 489)

Dated: January 17, 1968.

W. J. SMITH,
Admiral, U.S. Coast Guard,
Commandant.

[F.R. Doc. 68-870; Filed, Jan. 25, 1968;
8:45 a.m.]

RULES AND REGULATIONS

Title 46—SHIPPING

Chapter I—Coast Guard, Department of Transportation
(CGFR 67-91)

NAVIGATION LIGHTS AND SHAPES FOR MOTORBOATS AND VESSELS

Miscellaneous Amendments

1. Pursuant to the notice of proposed rule making published in the FEDERAL REGISTER of January 24, 1967 (32 F.R. 795-807), and the Merchant Marine Council Public Hearing Agenda dated March 20, 1967 (CG-249), the Merchant Marine Council held a public hearing on March 20, 1967, for the purpose of receiving comments, views, and data. The proposals considered were identified as Items PH 1-67 to PH 13-67, inclusive. Item PH 4-67 (CG-249, pages 81 to 88, inclusive) contained proposals regarding navigation lights and shapes for motorboats, uninspected vessels, and inspected vessels. Item PH 4a-67 contained proposals regarding navigation lights and shapes for motorboats and uninspected vessels. Item PH 4b-67 contained proposals regarding navigation lights and shapes for all classes of inspected vessels. These proposals, as revised, are adopted and set forth in this document. The necessary changes to the Rules of the Road for "Inland Waters" and "Western Rivers" are in a separate FEDERAL REGISTER Document, CGFR 67-92.

2. Interested persons have been afforded an opportunity to participate in the consideration of these proposals and certain changes were made in the proposals in Items PH 4a-67 and PH 4b-67 to clarify the requirements. The Merchant Marine Council's actions with respect to comments received are approved.

3. The new regulations added to 46 CFR Parts 25, 113, and 184 are applicable to new and existing vessels. The standards established should aid vessel operators to select an appropriate electric lamp for their navigation lights, as well as establish criteria which will enable a person to determine the minimum value of intensity for any given distance of visibility required to be met.

4. By virtue of the authority vested in me as Commandant, U.S. Coast Guard, by section 632 of Title 14, United States Code, and Department of Transportation Order 1100.1, dated March 31, 1967 (49 CFR 1.4(a)(2), 32 F.R. 5606), to promulgate regulations in accordance with the laws cited with the regulations below, the following regulations are prescribed and shall be effective on and after the 91st day after the date of publication of this document in the FEDERAL REGISTER; however, the regulations in this document may be complied with prior to that date.

SUBCHAPTER C—UNINSPECTED VESSELS

PART 25—REQUIREMENTS

5. The authority note for Part 25 is amended to read as follows:

AUTHORITY: The provisions of this Part 25 issued under R.S. 4405, as amended, 4462, as amended, sec. 17, 54 Stat. 166, as amended, sec. 6(b)(1), 80 Stat. 938; 46 U.S.C. 376, 416, 526p, 49 U.S.C. 1655(b); Department of Transportation Order 1100.1, Mar. 31, 1967, 49 CFR 1.4(a)(2), 32 F.R. 5606.

distance of visibility as specified in Table 25.05-15(a).

TABLE 25.05-15(a)

Distance of visibility, in nautical miles	Candlepower
1.	1.0
2.	5.5
3.	17.6
5.	100.0

NOTE: In Table 25.05-15(a) the standards are based upon a transmissivity factor of 70 percent per sea-mile and a practical threshold of vision of $\frac{1}{4}$ sea-mile candles.

(b) As an aid in complying with the provisions of this section, the standard double contact bayonet candelabra base lamps listed in Table 25.05-15(b) are recommended for motorboats having 6- to 32-volt electrical systems.

TABLE 25.05-15(b)

Distance of visibility, in nautical miles	Color	Lamp number for certain voltage systems—					
		With fresnel lens			Without fresnel lens		
		6	12	32	6	12	32
1.	Red	82	90	1,226	1,130	1,142	1,230
1.	Green	88	94	1,228	—	—	—
2.	White	64	68	1,224	82	90	1,226
2.	White	82	90	1,226	1,130	1,142	1,230

NOTE: In Table 25.05-15(b) the recommended lamp numbers for lights with fresnel lenses assume a lamp-to-light ratio of 1 to 4. The following filter efficiencies are assumed: Red—8 percent; green—2 percent.

(c) As an aid in complying with the provisions of this section, the incandescent lamps listed in Table 25.05-15(c) are recommended for vessels having 115-volt electrical systems.

TABLE 25.05-15(c)

Distance of visibility, in nautical miles	Color	Wattage—	
		With fresnel lens	Without fresnel lens
1.	Red	—	25
1.	Green	—	50
1.	White	—	15
2.	Amber	—	25
2.	Red	40	100
2.	Green	75	200
2.	White	25	75
3.	Amber	—	100
3.	White	40	100

NOTE: In Table 25.05-15(c) the following filter efficiencies are assumed: Amber—30 percent; red—8 percent; green—2 percent.

SUBCHAPTER J—ELECTRICAL ENGINEERING

PART 113—COMMUNICATION AND ALARM SYSTEMS AND EQUIPMENT

Subpart 113.55—Navigation Lights

7. Subpart 113.55 is amended by inserting after § 113.55-25 a new § 113.55-30 reading as follows:

§ 113.55-30 Light intensity standards.

(a) Navigation lights shall be of sufficient intensity so that the candlepower outside the lens is not less than that amount corresponding to the required distance of visibility as specified in Table 113.55-30(a).

TABLE 113.55-30(a)

Distance of visibility, in nautical miles	Candlepower
1.	1.0
2.	5.5
3.	17.6
5.	100.0

NOTE: In Table 113.55-30(a) the standards are based upon a transmissivity factor of 70 percent per sea-mile and a practical threshold of vision of $\frac{1}{4}$ sea-mile candles.

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(b) The standard incandescent lamps listed in Table 113.55-30(b) are recommended for vessels having 115-volt electrical systems.

TABLE 113.55-30(b)

Distance of visibility, in nautical miles	Color	Wattage—	
		With fresnel lens	Without fresnel lens
1	Red	25	35
1	Green	25	35
1	White	15	25
2	Amber	40	100
2	Red	40	100
2	Green	75	200
2	White	25	75
3	Amber	25	100
3	White	40	100

Note: In Table 113.55-30(b) the recommended lamp wattages for lights with fresnel lenses assume a lamp-to-light ratio of 1 to 4. The following filter efficiencies are assumed: Amber—30 percent; red—5 percent; green—2 percent. For this table it is also assumed the lamps have the following intensities: 15 w.—11 cp.; 25 w.—21 cp.; 40 w.—37 cp.; 50 w.—50 cp.; 75 w.—90 cp.; 100 w.—130 cp.; 200 w.—290 cp. The computations are based upon Allard's Law, using the formula:

$$I_o = \frac{E_o D^2}{T D}$$

Where:

 I_o —Intensity of the source in candlepower. E_o —The practical threshold of vision, 34 sea-mile candles.

D—Distance light must be seen in nautical miles.

T=0.7, the transmissivity factor, or fraction of light passing through each nautical mile of atmosphere on a "dark night with a clear atmosphere."

(R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4399, as amended, 4400, as amended, 4417, as amended, 4417a, as amended, 4418, as amended, 4421, as amended, 4426, as amended, 4427, as amended, 4433, as amended, 4453, as amended, 4488, as amended, 4491, as amended, sec. 14, 29 Stat. 690, as amended, sec. 10, 35 Stat. 428, as amended, 41 Stat. 308, as amended, sec. 5, 49 Stat. 1384, as amended, secs. 1, 2, 49 Stat. 1544, 1545, as amended, sec. 17, 54 Stat. 166, as amended, sec. 3, 54 Stat. 347, as amended, sec. 3, 70 Stat. 152, sec. 3, 68 Stat. 675, sec. 8(b)(1), 80 Stat. 938; 46 U.S.C. 361, 362, 391, 391a, 392, 399, 404, 405, 411, 435, 481, 489, 366, 395, 363, 369, 367, 526p, 1333, 390b, 50 U.S.C. 198, 49 U.S.C. 1655(b); E.O. 11239, July 31, 1965, 30 F.R. 6671, 3 CFR, 1965 Supp. Department of Transportation Order 1100.1, Mar. 31, 1967, 49 CFR 1.4(a)(2), 32 F.R. 5606; unless otherwise noted.

Subpart 184.15—Navigation Lights and Shapes, Whistles, Fog Horns, and Fog Bells

9. Subpart 184.15 is amended by adding after § 184.15-1 a new § 184.15-5 reading as follows:

§ 184.15-5 Light intensity standards.

(a) Navigation lights shall be of sufficient intensity so that the candlepower outside the lens is not less than that amount corresponding to the required distance of visibility as specified in Table 184.15-5(a).

TABLE 184.15-5(a)

Distance of visibility, in nautical miles	Candlepower
1	1.0
2	4.8
3	17.6
5	100.0

Note: In Table 184.15-5(a) the standards are based upon a transmissivity factor of 70 percent per sea-mile and a practical threshold of vision of 34 sea-mile candles.

SUBCHAPTER T—SMALL PASSENGER VESSELS (UNDER 100 GROSS TONS)

PART 184—VESSEL CONTROL AND MISCELLANEOUS SYSTEMS AND EQUIPMENT

8. The authority note for Part 184 is amended to read as follows:

AUTHORITY: The provisions of this Part 184 issued under R.S. 4405, as amended, 4462, as amended, sec. 3, 70 Stat. 152; 46 U.S.C. 375, 416, 390b. Interpret or apply R.S. 4417,

(b) As an aid in complying with the provisions of this section, the following standard double contact bayonet candelabra base lamps listed in Table 184.15-5(b) are recommended for vessels less than 65 feet in length having 6- to 32-volt electrical systems.

TABLE 184.15-5(b)

Distance of visibility, in nautical miles	Color	Lamp number for certain voltage systems—					
		With fresnel lens			Without fresnel lens		
		6	12	22	6	12	22
1	Red	82	90	1,226	1,130	1,142	1,230
1	Green	88	94	1,228	82	90	1,235
2	White	64	68	1,224	82	90	1,230
3	White	82	90	1,226	1,130	1,142	1,230

Note: In Table 184.15-5(b) recommended lamp numbers for lights with fresnel lenses assume a lamp-to-light ratio of 1 to 4. The following filter efficiencies are assumed: Red—6 percent; green—2 percent.

(c) As an aid in complying with the provisions of this section, the incandescent lamps listed in Table 184.15-5(c) are recommended for vessels having 115-volt electrical systems.

TABLE 184.15-5(c)

Distance of visibility, in nautical miles	Color	Wattage—	
		With fresnel lens	Without fresnel lens
1	Red	25	35
1	Green	25	35
1	White	15	25
2	Amber	40	100
2	Red	40	100
2	Green	75	200
2	White	25	75
3	Amber	40	100
3	White	40	100

Note: In Table 184.15-5(c) the recommended lamp wattages for lights with fresnel lenses assume a lamp-to-light ratio of 1 to 4. The following filter efficiencies are assumed: Amber—30 percent; red—5 percent; green—2 percent. For this table it is also assumed the lamps have the following intensities: 15 w.—11 cp.; 25 w.—21 cp.; 40 w.—37 cp.; 50 w.—50 cp.; 75 w.—90 cp.; 100 w.—130 cp.; 200 w.—290 cp. The computations are based upon Allard's Law, using this formula:

$$I_o = \frac{E_o D^2}{T D}$$

Where:

 I_o —Intensity of the source in candlepower. E_o —The practical threshold of vision, 34 sea-mile candles.

D—Distance light must be seen in nautical miles.

T=0.7, the transmissivity factor, or fraction of light passing through each nautical mile of atmosphere on a "dark night with a clear atmosphere."

Subpart 184.40—Work Vests

§ 184.40-1 [Amended]

10. Section 184.40-1 Approved unicellular plastic foam work vests is amended by deleting from the authority note at the end thereof the phrase "Treasury Department Orders 120, July 31, 1950, 15 F.R. 6521; 167-38, October 26, 1959, 24 F.R. 8857".

Dated: December 19, 1967.

[SEAL]

W. J. SMITH,
Admiral, U.S. Coast Guard,
Commandant.

[F.R. Doc. 67-14920; Filed, Dec. 26, 1967; 8:45 a.m.]

ELECTRICAL ENGINEERING REGULATIONS

Miscellaneous Amendments

1. Pursuant to the notice of proposed rule making published in the **FEDERAL REGISTER** of January 24, 1967 (32 F.R. 795-807), and the Merchant Marine Council Public Hearing Agenda dated March 20, 1967 (CG-249), the Merchant Marine Council held a public hearing on March 20, 1967, for the purpose of receiving comments, views, and data. The proposals considered were identified as Items PH 1-67 to PH 13-67, inclusive. Item PH 10-67 (CG-249, pages 170 to 186, inclusive) contained proposals regarding electrical engineering regulations. These proposals, as revised, are adopted and set forth in this document.

2. Interested persons have been afforded an opportunity to participate in the consideration of these proposals and certain changes were made in the proposals in Item PH 10-67. The changes in 46 CFR 111.35-15 (b)(1) and (c)(1) regarding disconnect means for switchboards clarify requirements. The change in 46 CFR 111.55-20(b)(1) regarding circuit breakers provides greater latitude in application of the requirements. The proposals in Item PH 10g-67 regarding operation of general alarm systems (46 CFR 113.25-5) are included in another **FEDERAL REGISTER** Document CGFR 67-87 containing amendments regarding fire protection on passenger vessels. The Merchant Marine Council's actions with respect to comments received and proposals in Item PH 10-67 are approved.

3. As stated in 46 CFR 110.05-3, the amendments to the electrical engineering regulations in this document are not retroactive in effect. The requirements in these amendments apply to new vessels contracted for on or after the effective date of these changes and to new installations or major replacements on existing vessels made on or after the effective date of these changes.

4. By virtue of the authority vested in me as Commandant, U.S. Coast Guard, by section 632 of Title 14, United States Code, and Department of Transportation Order 1100.1, dated March 31, 1967 (49 CFR 1.4(a)(2), 32 F.R. 5606), to promulgate regulations in accordance with the laws cited with the regulations below, the following amendments are prescribed and shall be effective on and after the 31st day after the date of publication of this document in the **FEDERAL REGISTER**; however, the regulations in this document may be complied with in lieu of existing requirements prior to that date.

SUBCHAPTER D—TANK VESSELS

PART 32—SPECIAL EQUIPMENT, MACHINERY, AND HULL REQUIREMENTS

5. The authority note for Part 32 is amended to read as follows:

AUTHORITY: The provisions of this Part 32 issued under R.R. 4406, as amended, 4417a, as amended, 4432, as amended; 46 U.S.C. 578, 581a, 416. Interpreted or apply see, 3, 33 Stat.

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675, sec. 8(b)(1), 80 Stat. 938; 50 U.S.C. 198, 49 U.S.C. 1658(b); E.O. 11239, July 31, 1965, 30 F.R. 9871, 3 CFR, 1965 Supp. Department of Transportation Order 1100.1, Mar. 31, 1967, 49 CFR 1.4(a)(2), 32 F.R. 5606.

Subpart 32.25—General Alarm Systems

6. Section 32.25-1(b) is amended to read as follows:

§ 32.25-1 Alarm bells for tankships constructed on or after September 15, 1943—T/ALL.

(b) Four manually operated contact makers shall be provided in accessible locations for operating the general alarm system. The contact makers shall be provided at the following locations:

- (1) Wheelhouse;
- (2) Space where feeder distribution panel is located;
- (3) Deck officers' quarters furthest from the engineroom; and
- (4) Engineroom.

SUBCHAPTER I—ELECTRICAL ENGINEERING

PART 111—ELECTRICAL SYSTEM; GENERAL REQUIREMENTS

Subpart 111.05—General Requirements

7. Section 111.05-25(b) is amended by changing Table 111.05-25(b) to read as follows:

§ 111.05-25 Nature of electrical supply.

(b) * * *

TABLE 111.05-25(b)—STANDARD VOLTAGES

Equipment	Direct current (volts)	Alternating current (volts)
Lighting...	115...	115 and 120.
Power...	115 and 230...	115, 120, 208, 220, and 440.
Generators...	120 and 240...	120, 125, 216, 230, and 450.
Propulsion...	1,000 maximum...	7,500 maximum.

Subpart 111.35—Switchboards and Propulsion Controls

8. Section 111.35-15 is amended by changing subparagraphs (b)(1) and (c)(1) to read as follows:

§ 111.35-15 Ship's service generator and distribution switchboards.

(b) * * *

(1) An unfused generator switch or links which will completely disconnect the generator and its circuit breaker from the bus. This disconnecting means need not be provided if the generator circuit breaker is of the drawout type which either disconnects all conductors, or, in the case of dual voltage systems, disconnects all ungrounded conductors or disconnecting links and is supplemented by a switch in the generator neutral conductor.

(c) * * *

(1) An unfused generator switch or links which will completely disconnect

the generator and its circuit breaker from the bus. This disconnecting means need not be provided if the generator circuit breaker is of the drawout type which either disconnects all conductors, or, in the case of dual voltage systems, disconnects all ungrounded conductors and is supplemented by a switch or disconnecting links in the generator neutral conductor.

Subpart 111.40—Distribution Panels, boards (Switchboard and Panel-board Types)

§ 111.40-1 [Amended]

9. Section 111.40-1. General requirements is amended by changing in paragraph (g) in the first sentence the phrase from "60 overcurrent devices" to "42 overcurrent devices" and in the second sentence the phrase from "50 amperes" to "30 amperes."

Subpart 111.55—Overcurrent Protection

10. Section 111.55-1 is amended by revising paragraphs (d), (h)(1), and (i) to read as follows:

§ 111.55-1 Installation of overcurrent devices.

(d) **Ungrounded conductors.** An overcurrent device (fuse or overcurrent trip unit of a circuit breaker) shall be placed in each ungrounded conductor. A branch switch or circuit breaker shall open all conductors of the circuit, including grounded conductors. Individual single-pole circuit breakers with operating handles yoked together may be used for the protection of each conductor of ungrounded 2-wire circuits.

(h) **Three-wire direct-current generators.** (1) **Circuit-breaker poles.** Separate circuit-breaker poles should be provided for the positive, negative and also for the equalizer leads unless protection is provided by the main poles. When equalizer poles are provided for the three-wire generators, the overload trips should be of the "Algebraic" type. If a neutral pole is provided in the generator circuit breaker, no overload trip element shall be provided for the neutral pole. A neutral overcurrent relay and alarm system should be provided and set to function at a current value equal to the neutral rating.

(i) **Three-wire single-phase and four-wire three-phase generators.** (1) Circuit-breaker poles. Circuit-breaker poles shall be provided for each generator lead, except the neutral of dual voltage systems.

11. Section 111.55-20 is amended to read as follows:

§ 111.55-20 Interrupting rating of fuses and circuit breakers.

(a) **General.** All generator circuit breakers and all circuit breakers and fuses used in vital circuits shall have, and other circuit breakers and fuses shall generally have, sufficient interrupting ca-

pacity to interrupt the maximum short circuit current available at the point of application of the circuit breaker or fuse in the electrical system.

(b) *Circuit breakers and fuses in cascade systems.* For circuits not vital to the propulsion, control, or safety of the vessel, cascading of circuit breakers and fuses is permitted. That is, circuit breakers and fuses may be installed at a point in the electrical distribution system where the short-circuit current available exceeds the interrupting capacity of the circuit breaker or fuse. Any such circuit breaker or fuse shall be protected by a backup circuit breaker or current limiting fuse. This backup device shall have an interrupting rating not less than the maximum short-circuit current available at the point of application. Generator circuit breakers shall not be used as backup circuit breakers.

(1) *Circuit breakers.* Unless otherwise approved by the Commandant, a circuit breaker used as a backup device shall have an instantaneous trip setting of not more than 80 percent of the interrupting rating of the circuit breakers or fuses protected. Fused circuit breakers with fuses connected to the load side may be used for backup service provided the fuses and circuit breakers are of coordinated design so that arc restrike in the circuit breaker cannot occur when a fuse blows.

(2) *Current limiting fuses.* If a fuse is used as a backup device, its selection and application shall be governed by the following design parameters:

(i) The maximum fuse rating shall be selected which will give adequate protection, on fault currents, to the device it backs up. In no case shall the device being backed up be called upon to interrupt fault currents in excess of 90 percent of its interrupting rating.

(ii) Fault currents cleared by the device backed up shall not cause damage or any change in the time-current characteristics of the current limiting fuse.

(iii) Fuses should be so applied that single phase operation of any three-phase connected motor will be precluded.

(c) *Calculation of short-circuit currents.* Unless precise calculations are submitted for review, the maximum short-circuit current of a direct-current system will be assumed to be equal to ten times the combined normal rated current of all generators (including a spare) plus six times the combined normal rated current of all motors which may be in operation simultaneously. On alternating-current systems, the maximum short-circuit current will be assumed to be equal to ten times the combined normal rated current of all generators (including a spare) plus three times the combined normal rated current of all motors which may be in operation simultaneously.

(R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4399, as amended, 4400, as amended, 4417, as amended, 4417a, as amended, 4418, as amended, 4421, as amended, 4426, as amended, 4427, as amended, 4433, as amended, 4463, as amended, 4468, as amended, 4491, as

amended, sec. 14, 2d Stat. 800, as amended, sec. 10, 35 Stat. 428, as amended, 41 Stat. 305, as amended, sec. 5, 40 Stat. 1384, as amended, secs. 1, 2, 40 Stat. 1544, 1545, as amended, sec. 17, 54 Stat. 166, as amended, sec. 3, 54 Stat. 347, as amended, sec. 3, 70 Stat. 152, sec. 3, 68 Stat. 675, sec. 6(b)(1), 80 Stat. 938; 46 U.S.C. 361, 362, 391, 391a, 392, 399, 404, 405, 411, 435, 481, 488, 366, 365, 363, 369, 367, 526p, 1333, 390b, 50 U.S.C. 198, 49 U.S.C. 1665(b); E.O. 11239, July 31, 1965, 30 F.R. 6071, 3 CFR, 1965 Supp. Department of Transportation Order 1100.1,

Mar. 31, 1967, 40 CFR 1.4(b)(2), 32 F.R. 5806)

PART 112—EMERGENCY LIGHTING AND POWER SYSTEM

12. Section 112.05-5(a) is amended by revising Table 112.05-5(a) to read as follows:

§ 112.05-5 Emergency source of supply.
(a) * * *

TABLE 112.05-5(a)

Size of vessel and service	Type or types of emergency source of power	Period of operation and minimum capacity of emergency source of power
Passenger vessels over 66 feet in length Ocean and Coastwise.....	Storage battery..... or A generator driven by a suitable prime-mover with an independent fuel supply and a temporary source of emergency power consisting of a storage battery of sufficient capacity to supply the temporary emergency source loads for not less than $\frac{1}{2}$ hour.	36 hours.
Other than Ocean and Coastwise, 100 g.t. and over. ¹	Storage battery with automatic transfer gear or diesel generator with automatic starting and transfer gear.	36 hours (generator) and $\frac{1}{2}$ hour (battery).
Other than Ocean and Coastwise, over 15 g.t. but less than 100 g.t. ¹	Storage battery or diesel generator with automatic or manual operation. ²	8 hours or twice the time of run, whichever is the smaller.
Cargo and miscellaneous self-propelled vessels and tank ships; barges with sleeping accommodations for more than six persons.		8 hours or twice the time of run, whichever is smaller.
All waters, 1,600 g.t. and over.....	Storage battery or diesel generator automatic or manual operation.	12 hours.
All waters, 300 g.t. and over, but less than 1,600 g.t.	Storage battery or diesel generator, automatic or manual operation, or approved relay-controlled battery-operated lanterns. ³	12 hours or twice the time of run, whichever is the smaller. ⁴

¹ See also § 112.05-15.

² See also §§ 112.35-1 and 112.35-5.

³ Applicable to barges contracted for on or after Nov. 19, 1958.

⁴ Minimum period of operation of relay-controlled, battery-operated lanterns may be less than 12 hours but not less than 8 hours.

⁵ Battery-operated lanterns shall have rechargeable batteries, shall incorporate an automatic battery charger that will maintain the battery in a fully charged condition, and shall not be readily portable.

Subpart 112.50—Emergency Diesel-Engine-Driven Generator Sets

13. Section 112.50-1 is amended to read as follows:

§ 112.50-1 General requirements.

(a) The diesel engine of the generator set shall be complete with all accessories necessary for operation and protection of the engine, shall have a self-contained cooling system of size to assure continuous engine operation using 100° F. air, and the fuel used shall have a flashpoint of not less than 110° F. The room in which the set is located shall be provided with suitable intake and exhaust ducts to supply adequate cooling air. The diesel engine as installed shall be without starting aid except that a thermostatically controlled electric water jacket heater, connected to the final emergency bus, may be employed. The diesel engine as installed shall be capable of carrying its full rated load within 20 seconds after cranking is initiated with the intake air, room ambient, and starting equipment all at a temperature of 32° F. The diesel engine shall be started by either hydraulic or electric means. The generator sets shall lubricate and operate satisfactorily when permanently inclined to an angle of 22½° athwartship and 10° fore and aft, and shall be arranged so that it will

not spill oil under a vessel roll of 30° each side of the vertical. Units shall shut down automatically upon loss of lubricating oil pressure, dangerous overspeeding, and release of carbon dioxide in the emergency generator room. An audible alarm device shall be provided to sound on low oil pressure and high cooling water temperature.

(b) Hydraulic starting means shall comply with the following conditions:

(1) The hydraulic cranking device shall be a self-contained system which will provide the required cranking forces and engine starting RPM as recommended by engine manufacturer.

(2) Electrically operated means shall automatically provide and maintain the stored hydraulic pressure within the predetermined pressure limits.

(3) The means of automatically maintaining the hydraulic system within the predetermined pressure limits shall be energized from the final emergency bus.

(4) Means shall be provided to manually recharge the hydraulic system.

(5) Charging of the hydraulic cranking system shall not create an absence of hydraulic power for engine starting at any time.

(6) The capacity of the hydraulic cranking system shall provide not less than six cranking cycles. Each cranking cycle shall provide the necessary number

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of revolutions at the required RPM to permit the diesel engine to meet the requirements of carrying its full rated load within 20 seconds after cranking is initiated with intake air, room ambient temperature and hydraulic cranking system at 32° F.

(7) Capacity of the hydraulic cranking system sufficient for three starts under conditions of subparagraph (6) of this paragraph shall be held in reserve and arranged so that the operation of a single control by one person will isolate the discharged or initially used part of the system and permit the reserve capacity to be employed.

(c) Electrical starting means shall comply with the following conditions:

(1) The starting battery shall be of sufficient capacity to provide not less than six consecutive cranking cycles. Each cycle shall consist of not less than one-half minute of battery rest.

(2) At the end of the sixth cranking cycle the battery voltage while cranking the engine, shall be not less than 50 percent of nominal battery voltage.

(3) The cranking cycles shall be with the intake air, room ambient, and starting battery at a temperature of not more than 32° F.

(R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4399, as amended, 4400, as amended, 4417, as amended, 4417a, as amended, 4418, as amended, 4421, as amended, 4426, as amended, 4427, as amended, 4433, as amended, 4453, as amended, 4488, as amended, 4491, as amended, sec. 14, 29 Stat. 690, as amended, sec. 10, 35 Stat. 428, as amended, 41 Stat. 305, as amended, sec. 5, 49 Stat. 1384, as amended, secs. 1, 2, 49 Stat. 1544, 1545, as amended, sec. 17, 54 Stat. 168, as amended, sec. 3, 54 Stat. 347, as amended, sec. 3, 70 Stat. 152, sec. 3, 68 Stat. 675, sec. 6(b)(1), 80 Stat. 938; 46 U.S.C. 381, 362, 391, 391a, 392, 399, 404, 405, 411, 435, 481, 489, 366, 395, 363, 369, 367, 526p, 1333, 390b, 50 U.S.C. 198, 49 U.S.C. 1655(b); E.O. 11239, July 31, 1968, 30 F.R. 9871, 3 CFR, 1968 Supp. Mar. 31, 1968, 49 CFR 1.4(a)(2), 32 F.R. 5606)

Dated: December 19, 1967.

W. J. SMITH,
Admiral, U.S. Coast Guard,
Commandant.

[F.R. Doc. 67-14919; Filed, Dec. 26, 1967;
8:45 a.m.]

SUBCHAPTER N—DANGEROUS CARGOES
[CGFR 67-95]

**PART 146—TRANSPORTATION OR
STORAGE OF EXPLOSIVES OR
OTHER DANGEROUS ARTICLES OR
SUBSTANCES, AND COMBUSTIBLE
LIQUIDS ON BOARD VESSELS**

**Subpart 146.25—Detailed Regula-
tions Governing Poisonous Articles**

**RESTRICTIONS AGAINST LOADING AND
TRANSPORTING CLASS B POISONOUS
LIQUIDS OR SOLIDS WITH FOODSTUFFS**

1. There have been several recent instances of food poisoning attributed to the consumption of food which had been

come contaminated by a poisonous insecticide or pesticide during the course of transportation. The poisons involved were liquids or solids, of the types defined and described as Class B in § 146.25-10, Coast Guard Dangerous Cargo Regulations (46 CFR 146-149). These incidents have caused the death of several persons. While none of the incidents occurred in the United States, there has been, within the past year, a number of container leakages, adverse handling experiences, and other accidents involving shipments of poisonous liquids or solids, Class B. Therefore, it is possible for the conditions which caused the deaths in other countries to arise in this country.

2. Investigations of the leakages and other accidents in the United States have not yet developed all of the information which would indicate conclusively the need for changes in the specification packaging requirements for poisons. However, a review of all of the incidents concerned clearly shows that there is good cause for the restricting of mixed shipments of poisonous liquids or solids, Class B, and foodstuffs, feeds, and other materials intended for consumption by humans or animals which are not packaged in airtight nonpermeable containers to minimize the possibility of food poisoning that could be caused by inadvertent contamination during transportation. Also, because of the multiple uses of transportation equipment, it is considered necessary to place a restriction on the reuse of transportation equipment which has been contaminated by the leakage of poisonous liquids or solids, Class B, until the contamination has been removed, to preclude injury to transportation personnel and contamination of subsequent shipments.

3. General rules pertaining to restriction for stowage of poisons and foodstuffs are now contained in the Coast Guard Dangerous Cargo Regulations (46 CFR 146.25-45(i), 146.25-50(a), and 146.25-200). However, in light of these recent casualties, it is considered necessary that specific rules be specified for the stowage of poisons and foodstuffs. The existing regulation 46 CFR 146.25-45(i) requires that poisons be stowed "away from" foodstuffs not packed in hermetically sealed containers. "Away from" is interpreted to mean that the stowage may be in the same hold or compartment but must be separated in such a way by distance and other cargo so that in event of leakage or damage to containers the poisons will not contaminate the foodstuffs.

4. For the purpose of this Order, the following requirements shall apply to stowage of poisonous liquids and solids, Class B, and foodstuffs:

(a) If the foodstuffs are in airtight nonpermeable containers, poisons may be stowed "away from" the foodstuffs.

(b) If the foodstuffs are in bulk or are packed in bags or wooden barrels, the poisons shall be stowed in a hold or compartment that is separated from the foodstuffs by a tight bulkhead.

(c) Poisons shall not be stowed on weather deck hatches over a stowage of

foodstuffs in bulk or packed in bags or wooden barrels.

5. The provisions of this Order shall also apply to the detailed requirements in Table H in 46 CFR 146.25-200; however, the necessary changes to these requirements are under study and will be included with the changes required to be published before July 1, 1968. Additionally, these regulation changes will be in agreement with those of the Department of Transportation.

6. The regulation in 46 CFR 146.25-50(a) regarding care following leakage or sifting of poisonous articles shall apply to all poisonous liquids or solids, Class B.

7. As a situation exists which demands immediate adoption of these rules in the interests of public safety, it is found that notice and public procedure hereon are impractical and good cause exists for making this Order effective under the emergency procedure specified in 46 U.S.C. 170, as amended (R.S. 4472). In consideration of the foregoing, these amendments to the Coast Guard Dangerous Cargo Regulations (46 CFR Parts 146-149) are effective January 1, 1968; however, the regulations in this document may be complied with in lieu of existing requirements prior to that date.

8. By virtue of the authority vested in me as Commandant, U.S. Coast Guard, by section 632 of Title 14, United States Code, and Department of Transportation Order 1100.1, dated March 31, 1967 (49 CFR 1.4(a)(2), 32 F.R. 5606), to promulgate regulations in accordance with the laws cited with the regulations below, the following amendments are prescribed:

9. The authority note for Part 146 is amended to read as follows:

AUTHORITY: The provisions of this Part 146 issued under R.S. 4405, as amended, 4462, as amended, 4472, as amended, sec. 3, 68 Stat. 675, sec. 6(b)(1), 80 Stat. 938; 46 U.S.C. 375, 416, 170, 50 U.S.C. 198, 49 U.S.C. 1655(b); E.O. 11239, July 31, 1965, 30 F.R. 9671; Department of Transportation Order 1100.1, Mar. 31, 1967, 49 CFR 1.4(a)(2), 32 F.R. 5606; except as otherwise noted.

10. Section 146.25-45 is amended by revising the headnote and paragraph (1), and by adding a new paragraph (j), which read as follows:

§ 146.25-45 Stowage of poisonous articles with explosives and other dangerous articles and away from living quarters and foodstuffs.

• • • • •
(i) Containers of poisonous articles shall be stowed well away from living quarters and ventilation ducts serving living quarters.

(j) Containers of poisonous articles shall be stowed well away from foodstuffs. The phrase "away from" means that the stowage may be in the same hold or compartment but must be separated in such a way by distance and other cargo so that in event of leakage or damage to containers the poisons will not contaminate the foodstuffs. The following additional requirements shall apply to the stowage of poisonous liquids and solids, Class B, and foodstuffs:

(1) If the foodstuffs are in airtight nonpermeable containers, these poisons

may be stowed "away from" the foodstuffs.

(2) If the foodstuffs are in bulk or are packed in bags or wooden barrels, these poisons shall be stowed in a hold or compartment that is separated from the foodstuffs by a tight bulkhead.

(3) These poisons shall not be stowed on weather deck hatches over a stowage of foodstuffs in bulk or packed in bags or wooden barrels.

11. Section 146.25-50(a) is amended by changing the phrase from "arsenic or arsenical compounds, calcium cyanide, potassium cyanide, or sodium cyanide" to "poisonous liquids and solids, Class B," so that it reads as follows:

§ 146.25-50 Care following leakage or sifting of poisonous articles.

(a) Compartments or holds in which have been stowed packages containing poisonous liquids and solids, Class B, or radioactive ores of low activity shall, in the event any leakage or sifting from the containers has occurred, be thoroughly cleaned after the cargo is unloaded and before the hold is used for stowage of other cargo.

* * * * *
Dated: December 13, 1967.

W. J. SMITH,
Admiral, U.S. Coast Guard,
Commandant.

[F.R. Doc. 67-14986; Filed, Dec. 26, 1967;
8:48 a.m.]

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Title 33—NAVIGATION AND
NAVIGABLE WATERSChapter I—Coast Guard, Department
of Transportation

[CGFR 67-92]

SUBCHAPTER D—NAVIGATION REQUIREMENTS
FOR CERTAIN INLAND WATERSPART 80—PILOT RULES FOR
INLAND WATERSSUBCHAPTER F—NAVIGATION REQUIREMENTS
FOR WESTERN RIVERSPART 95—PILOT RULES FOR
WESTERN RIVERSNavigation Lights and Shapes for
Towing Vessels and Dredges

1. Pursuant to the notice of proposed rule making published in the FEDERAL REGISTER of January 24, 1967 (32 F.R. 795-807), and the Merchant Marine Council Public Hearing Agenda dated March 20, 1967 (CG-249), the Merchant Marine Council held a public hearing on March 20, 1967, for the purpose of receiving comments, views, and data. The proposals considered were identified as Items PH 1-67 to PH 13-67, inclusive. Item PH 4-67 (CG-249, pages 81 to 88, inclusive) contained proposals regarding navigation lights and shapes for motorboats, uninspected vessels and inspected vessels. Item PH 4c-67 contained proposals regarding navigation lights and shapes for towing vessels and dredges on inland waters. Item PH 4d-67 contained proposals regarding navigation lights and shapes for towing vessels and dredges on western rivers. These proposals are adopted and set forth in this document. The necessary changes in the marine safety regulations regarding navigation lights and shapes for motorboats, uninspected vessels, and inspected vessels are in a separate document, CGFR 67-91.

2. Interested persons have been afforded an opportunity to participate in the consideration of these proposals. The Merchant Marine Council's actions with respect to comments received and proposals in Item PH 4-67 are approved.

3. The amendments to the rules of the road in this document are applicable to both new and existing vessels. Because definite light standards are established in 46 CFR Chapter I for all vessels other than public vessels of the United States, it is necessary to reduce the visibility requirement for red lights from 5 miles to 2 miles for certain vessels so that light requirements will be consistent.

4. By virtue of the authority vested in me as Commandant, U.S. Coast Guard, by section 632 of Title 14, United States Code, and Department of Transportation Order 1100.1, dated March 31, 1967 (49 CFR 1.4(a)(2), 32 F.R. 5606), to promulgate regulations in accordance with the laws cited with the regulations below, the following amendments are prescribed and shall be effective on and after the

91st day after date of publication of this document in the **FEDERAL REGISTER**; however, the regulations in this document may be complied with in lieu of existing requirements prior to that date.

5. The authority note for Part 80 is amended to read as follows:

AUTHORITY: The provisions of this Part 80 issued under sec. 2, 30 Stat. 102, as amended, sec. 6(b)(1), 80 Stat. 938; 33 U.S.C. 157, 49 U.S.C. 1655(b); Department of Transportation Order 1100.1, Mar. 31, 1967, 49 CFR 1.4(a)(2), 32 F.R. 5606; unless otherwise noted.

LIGHTS AND DAY SIGNALS FOR VESSELS; DREDGES OF ALL TYPES, AND VESSELS WORKING ON WRECKS AND OBSTRUCTIONS, ETC.

6. Section 80.18(b) is amended to read as follows:

§ 80.18 Signals to be displayed by a towing vessel when towing a submerged or partly submerged object upon a hawser when no signals can be displayed upon the object which is towed.

(b) By night the towing vessel shall display the regular sidelights but in lieu of the regular white towing lights shall display four lights in a vertical position not less than 3 feet nor more than 6 feet apart, the upper and lower of such lights to be white and of the same character as the regular towing lights, and the middle of such lights to be red and of such character as to be visible on a dark night with a clear atmosphere for a distance of at least 2 miles.

7. Section 80.21(b) is amended to read as follows:

§ 80.21 Dredges underway and engaged in dredging operations.

(b) By night self-propelled dredges underway and engaged in dredging operations shall carry, in addition to the regular running lights, two red lights in a vertical line beneath the white masthead light. These red lights shall be not less than 3 feet nor more than 6 feet apart and the upper red light shall be not less than 3 feet nor more than 6 feet below the masthead light. They shall also carry on or near the stern two red lights in a vertical line not less than 3 feet nor more than 6 feet apart, to show through 12 points of the compass; that is, from right astern to 6 points on each quarter. The forward red lights and after red lights shall be of such character as to be visible on a dark night with a clear atmosphere for a distance of at least 2 miles.

8. Section 80.24 is amended by revising paragraphs (a) and (b) to read as follows:

§ 80.24 Lights generally.

(a) All the lights required by §§ 80.18 to 80.23, inclusive, except as provided in § 80.18(b), shall be of such character as to be visible on a dark night with a clear atmosphere for a distance of at least 2 miles. The white lights provided for in

§ 80.18(b) shall be visible for at least 5 miles.

(b) The lights required by § 80.18(b) shall be of the same construction as the regular towing lights. The lights required by § 80.21(b) shall be of the same construction as the masthead light.

* * * * *

MISCELLANEOUS

§ 80.40 [Amended]

8a. Section 80.40 *Exceptions to the statutory and regulatory requirements for lights, day signals, or other navigational means and appliances when operating under bridges* is amended by deleting from the authority note at the end thereof the phrase "Treasury Department Order 167-58, Jan. 29, 1964, 29 F.R. 2314".

9. The authority note for Part 95 is amended to read as follows:

AUTHORITY: The provisions of this Part 95 issued under R.S. 4233A, as amended, sec. 6(b)(1), 80 Stat. 938; 33 U.S.C. 353, 49 U.S.C. 1655(b); Department of Transportation Order 1100.1, Mar. 31, 1967, 49 CFR 1.4(a)(2), 32 F.R. 5606; unless otherwise noted.

GENERAL

§ 95.02 [Amended]

10. Section 95.02 *Demarcation lines between "Rules of the Road—Western Rivers" and "Rules of the Road—Great Lakes"* is amended by deleting from the authority note at the end thereof the phrase "Treasury Department Orders 120, July 31, 1950, 15 F.R. 6721; 167-17, June 29, 1955, 20 F.R. 4970, 167-33, September 23, 1958, 23 F.R. 7892."

LIGHTS AND DAY SIGNALS

11. Section 95.52(b) is amended to read as follows:

§ 95.52 Signals to be displayed by a towing vessel when towing a submerged or partly submerged object upon a hawser when no signals can be displayed upon the object which is towed.

(b) By night the towing vessel shall display the regular sidelights, but in lieu of the regular white towing lights shall display four lights in a vertical position not less than 3 feet, nor more than 6 feet apart, the upper and lower of such lights to be white and of the same character as the regular towing lights, and the middle of such lights to be red and of such character as to be visible on a dark night with a clear atmosphere for a distance of at least 2 miles.

12. Section 95.55(b) is amended to read as follows:

§ 95.55 Self-propelling suction dredges underway and engaged in dredging operations.

(b) By night self-propelled dredges underway and engaged in dredging operations shall carry, in addition to the regular running lights, two red lights in a vertical line beneath the white masthead light. These red lights shall be not less than 3 feet nor more than 6 feet

apart and the upper red light to be not less than 3 feet nor more than 6 feet below the masthead light. They shall also carry on or near the stern two red lights in a vertical line not less than 3 feet nor more than 6 feet apart, to show through 12 points of the compass; that is, from right astern to 6 points on each quarter. The forward red lights and after red lights shall be of such character as to be visible on a dark night with a clear atmosphere for a distance of at least two miles.

13. Section 95.58 is amended by revising paragraphs (a) and (b) to read as follows:

§ 95.58 Lights generally.

(a) All the lights required by §§ 95.52 to 95.57, inclusive, except as provided in § 95.52(b), shall be of such character as to be visible on a dark night with a clear atmosphere for a distance of at least 2 miles. The white lights provided for in § 95.52(b) shall be visible for at least 3 miles.

(b) The lights required by § 95.52(b) shall be of the same construction as the regular towing lights. The lights required by § 95.55(b) shall be of the same construction as the masthead light.

* * * * *

Dated: December 19, 1967.

W. J. SMITH,
Admiral, U.S. Coast Guard,
Commandant.

[F.R. Doc. 67-14921; Filed, Dec. 22, 1967;
8:46 a.m.]

[CGFR 67-93]

SUBCHAPTER K—SECURITY OF VESSELS

PART 124—CONTROL OVER MOVEMENT OF VESSELS

SUBCHAPTER L—SECURITY OF WATERFRONT FACILITIES

PART 126—HANDLING OF EXPLOSIVES OR OTHER DANGEROUS CARGOES WITHIN OR CONTIGUOUS TO WATERFRONT FACILITIES

Bulk Cargoes Considered To Involve Particular Hazards

1. Pursuant to the notice of proposed rule making published in the **FEDERAL REGISTER** of January 24, 1967 (32 F.R. 795-807), and the Merchant Marine Council Public Hearing Agenda dated March 20, 1967 (CG-249), the Merchant Marine Council held a public hearing on March 20, 1967, for the purpose of receiving comments, views, and data. The proposals considered were identified as Items PH 1-67 to PH 13-67, inclusive. Item PH 3-67 (CG-249, pages 76 to 80, inclusive) contained proposals regarding United States and foreign vessels carrying bulk cargoes having particular hazards and the handling of bulk cargoes having particular hazards on waterfront facilities. These proposals, as revised, are adopted and set forth in this document.

2. Interested persons have been afforded an opportunity to participate in the consideration of these proposals.

RULES AND REGULATIONS

Many changes were made in the proposals in Item PH 3-67. Informal meetings were held with the Chemical Transportation Advisory Panel of the Merchant Marine Council and others. The major changes consist of revising the descriptive term from "cargoes having potential unusual risks" to "cargoes considered to involve particular hazards"; listing the commodities considered to involve particular described hazards; clarifying the application of regulations to U.S. vessels engaged solely in domestic trade; and clarifying the conditions for establishing designated waterfront facilities for handling cargoes having particular hazards. The Merchant Marine Council's actions with respect to comments received and proposals in Item PH 3-67 are approved.

3. By virtue of the authority vested in me as Commandant, U.S. Coast Guard, by section 632 of Title 14, United States Code, and Department of Transportation Order 1100.1, dated March 31, 1967 (42 CFR 1.4(a)(2), 32 F.R. 5806), to promulgate regulations in accordance with the laws and Executive orders cited with the regulations below, the following amendments and new regulations are prescribed and shall be effective on and after January 1, 1967:

4. The authority note for Part 124 is amended to read as follows:

AUTHORITY: The provisions of this Part 124 issued under sec. 1, 40 Stat. 220, as amended, sec. 6(b)(1), 80 Stat. 938; 50 U.S.C. 191, 49 U.S.C. 1658(b); E.O. 10173, 15 F.R. 7005, 3 CFR, 1950 Supp., E.O. 10277, 16 F.R. 7537, 3 CFR, 1951 Supp., E.O. 10362, 17 F.R. 4607, 3 CFR, 1952 Supp. Department of Transportation Order 1100.1, Mar. 31, 1967, 42 CFR 1.4(a)(2), 32 F.R. 5806.

5. Section 124.14 is amended to read as follows:

§ 124.14 Advance notice of arrival of vessel laden with explosives or certain specified dangerous cargoes.

(a) The master, agent, or person in charge of any domestic or foreign vessel which is bound for a port or place in the United States and which is carrying as cargo any of the dangerous cargoes described in this paragraph, whether for discharge in the United States or not, shall at least 24 hours in advance of arrival at each port or place, notify the Captain of the Port or the Commander of the Coast Guard District in which such port or place is located concerning the amount and location of stowage on board the vessel of any of the following:

(1) Explosives, class A (commercial or military).

(2) Oxidizing materials for which a special permit for water transportation is required by 46 CFR 146.22.

(3) Radioactive materials for which a special approval by the Commandant for water transportation is required by 46 CFR 146.25-30.

(4) Any dangerous cargo considered to involve a particular hazard, when transported or handled in bulk quantities, as further described in paragraph (b) of this section.

(b) (1) A dangerous cargo considered to involve a particular hazard, when transported in bulk quantities on board vessels, or when handled in bulk quantities on waterfront facilities, is any commodity which by virtue of its properties would create an unusual hazard if released. The commodities subject to this section are:

Acetaldehyde.	Hydrochloric acid.
Acetone cyanohydrin.	Methane.
Acetonitrile.	Methyl acrylate.
Acrylonitrile.	Methyl bromide.
Allyl alcohol.	Methyl chloride.
Allyl chloride.	Methyl methacrylate (monomer).
Ammonia, anhydrous.	Nonyl phenol.
Aniline.	Oleum.
Butadiene.	Phenol.
Carbolic oil.	Phosphorus, elemental.
Carbon disulfide.	Propane.
Chlorine.	Propylene.
Chlorhydrins, crude.	Propylene oxide.
Crotonaldehyde.	Sulfuric acid.
1,2-Dichloropropene.	Sulfuric acid, spent.
Dichloropropene.	Tetraethyl lead.
Epichlorohydrin.	Tetraethyl lead mixture.
Ethylene.	Vinyl acetate.
Ethyl ether.	Vinyl chloride.
Ethylene oxide.	Vinylidene chloride.

(2) Each commodity listed in subparagraph (1) of this paragraph is considered to possess one or more of the following properties:

- (i) Is highly reactive or unstable; or
- (ii) Has severe or unusual fire hazards; or
- (iii) Has severe toxic properties; or
- (iv) Requires refrigeration for its safe containment; or
- (v) Can cause brittle fracture of normal ship structural materials or ashore containment materials by reason of its being carried at low temperatures, or because of its low boiling point at atmospheric pressure (unless uncontrolled release of the cargo is not a major hazard to life).

(c) For U.S. vessels, this section is applicable to such vessels on international voyages, coastwise voyages, or Great Lakes voyages. For foreign vessels this section is applicable to such vessels when bound to a port or place in the United States, or a port or place under the jurisdiction of the United States.

(d) When the arrival is a direct result of "force majeure" and it is not possible to give at least 24 hours advance notice, then advance notice as early as possible will be given.

6. The authority note for Part 126 is amended to read as follows:

AUTHORITY: The provisions of this Part 126 issued under sec. 1, 40 Stat. 220, as amended, sec. 6(b)(1), 80 Stat. 938; 50 U.S.C. 191, 49 U.S.C. 1658(b); E.O. 10173, 15 F.R. 7005, 3 CFR, 1950 Supp., E.O. 10277, 16 F.R. 7537, 3 CFR, 1951 Supp., E.O. 10362, 17 F.R. 4607, 3 CFR, 1952 Supp. Department of Transportation Order 1100.1, Mar. 31, 1967, 42 CFR 1.4(a)(2), 32 F.R. 5806.

7. Section 126.05 is amended by designating the present text as paragraph (a)

and by adding a new paragraph (b) so that it reads as follows:

§ 126.05 Designated waterfront facility.

(a) *Designated waterfront facility.* The term "designated waterfront facility" means a waterfront facility designated by § 126.13 for the handling and storage of, and for vessel loading and discharging of, explosives, flammable or combustible liquids in bulk, or other dangerous articles or cargo covered by the regulations entitled "Explosives or Other Dangerous Articles on Board Vessels" (46 CFR Part 146) and the regulations governing tank vessels (46 CFR Parts 30 to 39, inclusive).

(b) *Facility of particular hazard.* The term "facility of particular hazard" means a designated waterfront facility which is authorized to handle in bulk quantities any of the commodities listed in § 124.14(b) or any commodity for which a permit is required by 46 CFR Part 146.

8. Section 126.15 is amended by revising paragraph (m)(6) and by adding a new paragraph (o), which read as follows:

§ 126.15 Conditions for designation as designated waterfront facility.

• • •

(m) • • •

(6) Cross aisles, at least five (5) feet wide and straight shall be maintained at intervals not exceeding seventy-five (75) feet, and extending to the side of the waterfront facility.

(o) *Maintenance of bulk liquid cargo transfer systems.* The cargo transfer system(s) used for handling any bulk dangerous cargo shall be so maintained as to prevent leakage. Suitable means, such as drip pans for collecting liquids, shall be provided during coupling or uncoupling operations if necessary.

9. Part 126 is amended by inserting after § 126.15 a new § 126.16 reading as follows:

§ 126.16 Conditions for designating a "facility of particular hazard."

(a) *Basic requirements.* The facility shall comply with all the conditions in § 126.15 except where specifically waived by § 126.11.

(b) *Warning alarms.* Warning alarms shall be installed at the waterside of such a facility to warn approaching or transiting water traffic of immediate danger in the event of fire or cargo release. Warning alarms shall be of the siren type, or the emergency rotating flashing light type, and be of sufficient intensity to be heard, or seen, a distance of 1 mile during normal facility working conditions. The alarm signal shall not conflict with local municipal prescription.

Dated: December 19, 1967.

W. J. SMITH,
Admiral, U.S. Coast Guard,
Commandant.

(F.R. Doc. 67-14922; Filed, Dec. 22, 1967;
8:45 a.m.)

Title 46—SHIPPING

Chapter I—Coast Guard, Department
of Transportation

(CGFR 67-87)

FIRE PROTECTION ON BOTH NEW
AND EXISTING PASSENGER VES-
SELS (100 GROSS TONS OR OVER)

1. Pursuant to the notice of proposed rule making published in the **FEDERAL REGISTER** of January 24, 1967 (32 F.R. 795-807), and the Merchant Marine Council Public Hearing Agenda dated March 20, 1967 (CG-249), the Merchant Marine Council held a public hearing on March 20, 1967, for the purpose of receiving comments, views, and data. The proposals considered were identified as Items PH 1-67 to PH 13-67, inclusive. Item PH 5-67 contained proposals regarding fire protection on both new and existing passenger vessels (100 gross tons or over) (CG-249, pages 89 to 116, inclusive). Item PH 5k-67 (CG-249, pages 115 and 116) and Item PH 10g-67 (CG-249, pages 183 to 185, inclusive) contained proposed changes to 46 CFR 113.25-5 and 113.25-10(b) regarding general alarm systems for all categories of vessels. These proposals, as revised, are adopted and set forth in this document.

2. Interested persons have been afforded an opportunity to participate in the consideration of these proposals and certain changes were made in the proposals in Item PH 5-67 and Item PH 10g-67. The changes made in various sections are to make it clear that all passenger vessels of 100 gross tons or over, regardless of the date of construction, on an international voyage must substantially meet current fire protection requirements. The change in 46 CFR 113.25-10(b)(1) regarding feeder distribution panels removes a conflict with other regulations and allows more flexibility in application. The Merchant Marine Council's actions with respect to comments received and proposals in Item PH 5-67 and Item PH 10g-67 are approved.

3. By virtue of the authority vested in me as Commandant, U.S. Coast Guard, by section 632 of Title 14, United States Code, and Department of Transportation Order 1100.1, dated March 31, 1967 (49 CFR 1.4(a)(2), 32 F.R. 5606), to promulgate regulations in accordance with the laws cited with regulations below, the following amendments are prescribed and shall be effective on and after November 2, 1968, for both new and existing vessels as described in the regulations; however, the regulations in this document may be complied with in lieu of existing requirements prior to that date.

SUBCHAPTER F—MARINE ENGINEERING
PART 55—PIPING SYSTEMS AND APPURTENANCES

4. The authority note for Part 55 is amended to read as follows:

AUTHORITY: The provisions of this Part 55 issued under R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4399, as amended, 4400, as amended, 4417, as amended, 4417a, as amended, 4418, as amended, 4421, as amended, 4426, 4431, as amended, 4433, as amended, 4434, as amended, 4453, as amended, 4488, as amended, 4491, as amended, sec. 14, 29 Stat. 690, as amended, sec. 10, 35 Stat. 428, as amended, 41 Stat. 305, as amended, secs. 1, 2, 49 Stat. 1544, 1545, as amended, sec. 17, 54 Stat. 186, as amended, sec. 3, 54 Stat. 347, as amended, sec. 3, 70 Stat. 152, sec. 3, 68 Stat. 675, sec. 6(b)(1), 80 Stat. 938; 46 U.S.C. 361, 362, 391, 392, 399, 404–409, 411, 412, 435, 481, 489, 366, 395, 363, 367, 526p, 1333, 390b, 50 U.S.C. 198, 49 U.S.C. 1655(b); E.O. 11239, July 31, 1965, 30 F.R. 9671, 3 CFR, 1965 Supp. Department of Transportation Order 1100.1, Mar. 31, 1967, 49 CFR 1.4(a)(2), 32 F.R. 5606, unless as otherwise noted.

Subpart 55.10—Pumping Arrangements and Piping Systems

5. Section 55.10–40(g) is amended to read as follows:

§ 55.10–40 Fuel oil service systems.

(g) Service oil pumps shall be equipped with means of control from a readily accessible position outside of the boiler room which will always be accessible in the event of a fire occurring in the compartment in which the pumps are located. All passenger ships on an international voyage, regardless of the date of construction, shall comply with the requirements of this paragraph.

PART 61—INSTALLATIONS, TESTS, INSPECTIONS, MARKINGS, AND OFFICIAL FORMS

6. The authority note for Part 61 is amended to read as follows:

AUTHORITY: The provisions of this Part 61 issued under R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4399, as amended, 4400, as amended, 4417, as amended, 4417a, as amended, 4418, as amended, 4421, as amended, 4426–4431, as amended, 4433, as amended, 4434, as amended, 4453, as amended, 4488, as amended, 4491, as amended, sec. 14, 29 Stat. 690, as amended, sec. 10, 35 Stat. 428, as amended, 41 Stat. 305, as amended, secs. 1, 2, 49 Stat. 1544, 1545, as amended, sec. 17, 54 Stat. 186, as amended, sec. 3, 54 Stat. 347, as amended, sec. 3, 70 Stat. 152, sec. 3, 68 Stat. 675, sec. 6(b)(1), 80 Stat. 938; 46 U.S.C. 361, 362, 391, 392, 399, 404–409, 411, 412, 435, 481, 489, 366, 395, 363, 367, 526p, 1333, 390b, 50 U.S.C. 198, 49 U.S.C. 1655(b); E.O. 11239, July 31, 1965, 30 F.R. 9671, 3 CFR, 1965 Supp. Department of Transportation Order 1100.1, Mar. 31, 1967, 49 CFR 1.4(a)(2), 32 F.R. 5606.

Subpart 61.05—Installations

7. Section 61.05–25 is amended by adding a new paragraph (b), reading as follows:

RULES AND REGULATIONS

§ 61.05–25 Means of stopping machinery.

(b) All passenger ships on an international voyage, regardless of the date of construction, shall comply with the requirements of this section.

SUBCHAPTER H—PASSENGER VESSELS

PART 72—CONSTRUCTION AND ARRANGEMENT

8. The authority note for Part 72 is amended to read as follows:

AUTHORITY: The provisions of this Part 72 issued under R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4399, as amended, 4400, as amended, 4417, as amended, 4418, as amended, 4421, as amended, 4426, as amended, 4433, as amended, 4453, as amended, 4488, as amended, 4490, as amended, 4491, as amended, sec. 14, 29 Stat. 690, as amended, sec. 10, 35 Stat. 428, as amended, 41 Stat. 305, as amended, sec. 5, 49 Stat. 1384, as amended, secs. 1, 2, 49 Stat. 1544, 1545, as amended, sec. 17, 54 Stat. 186, as amended, sec. 3, 54 Stat. 347, as amended, sec. 3, 70 Stat. 152, sec. 3, 68 Stat. 675, sec. 6(b)(1), 80 Stat. 938; 40 U.S.C. 361, 362, 391, 392, 399, 404, 411, 435, 481, 489, 366, 395, 363, 369, 367, 526p, 1333, 390b, 50 U.S.C. 198, 49 U.S.C. 1655(b); E.O. 11239, July 31, 1965, 30 F.R. 9671, 3 CFR, 1965 supp. Department of Transportation Order 1100.1, Mar. 31, 1967, 49 CFR 1.4(a)(2), 32 F.R. 5606.

Subpart 72.05—Structural Fire Protection

9. Section 72.05–90 is amended to read as follows:

§ 72.05–90 Vessels contracted for prior to May 26, 1965.

(a) Vessels of 100 gross tons and over, contracted for prior to May 26, 1965, on an international voyage; and vessels of 100 gross tons and over, contracted for on or after May 28, 1936, and prior to May 26, 1965, not on an international voyage; shall meet the following requirements:

(1) Existing structure, arrangements, and materials previously approved will be considered satisfactory so long as they meet the minimum requirements of this paragraph and are maintained in good condition to the satisfaction of the Officer in Charge, Marine Inspection. Minor repairs and alterations may be made to the same standards as the original construction.

(2) The details shall be in general agreement with §§ 72.05–5 through 72.05–60.

(b) Vessels of 100 gross tons and over, contracted for prior to May 28, 1936, not on an international voyage, shall meet the following requirements:

(1) Existing structure, arrangements, and materials previously approved will be considered satisfactory so long as they meet the minimum requirements of this paragraph and are maintained in good condition to the satisfaction of the Officer in Charge, Marine Inspection. Minor repairs and alterations may be made to the same standards as the original construction.

(2) All vessels in ocean or coastwise service shall be fitted above the bulkhead deck with fire-resisting bulkheads and doors spaced not more than 131 feet apart which are capable of resisting the passage of flame for a period of at least 1 hour.

(3) All vessels with berth or stateroom accommodations for 50 or more passengers shall be fitted with an approved automatic sprinkling system unless deemed unnecessary by the Commandant. This system shall be so installed as to protect all enclosed parts of the vessel accessible to passengers or crew while the vessel is being navigated, except cargo holds, machinery spaces, and when of fire-resisting construction, toilets, bathrooms, and spaces of similar construction. Where, in the case of a particular vessel, the Commandant does not consider the installation of an automatic water-sprinkling system necessary, such vessel shall be protected in such enclosed parts of the vessel as the Commandant shall deem necessary, with an automatic electric or pneumatic fire-detecting and alarm system, used singly or in combination, of a type approved by the Commandant.

(c) Vessels of less than 100 gross tons, contracted for prior to May 26, 1965, which carry more than 150 passengers, shall meet the following requirements:

(1) Existing structure, arrangements, and materials previously approved will be considered satisfactory so long as they meet the minimum requirements of this paragraph and are maintained in good condition to the satisfaction of the Officer in Charge, Marine Inspection. Minor repairs and alterations may be made to the same standards as the original construction.

(2) For such vessels, contracted for on or after November 19, 1952, and prior to May 26, 1965, on an international voyage, the details shall be in general agreement with §§ 72.05–5 through 72.05–60.

PART 76—FIRE PROTECTION EQUIPMENT

10. The authority note for Part 76 is amended to read as follows:

AUTHORITY: The provisions of this Part 76 issued under R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4417, as amended, 4418, as amended, 4426, as amended, 4488, as amended, 4491, as amended, sec. 10, 35 Stat. 428, as amended, 41 Stat. 305, as amended, secs. 1, 2, 49 Stat. 1544, 1545, as amended, sec. 17, 54 Stat. 166, as amended, sec. 3, 54 Stat. 347, as amended, sec. 3, 70 Stat. 152, sec. 3, 68 Stat. 675, sec. 6(b)(1), 80 Stat. 938; 46 U.S.C. 391, 392, 404, 481, 489, 395, 363, 367, 526p, 1333, 390b, 50 U.S.C. 198, 49 U.S.C. 1655(b); E.O. 11239, July 31, 1965, 30 F.R. 9671, 3 CFR, 1965 Supp. Department of Transportation Order 1100.1, Mar. 31, 1967, 49 CFR 1.4(a)(2), 32 F.R. 5606.

Subpart 76.10—Fire Main System, Details

11. Subpart 76.10 is amended by inserting after § 76.10–1 a new § 76.10–3, reading as follows:

§ 76.10-3 Water availability.

(a) On all vessels on an international voyage, regardless of the date of construction, water pressure from the firemain protecting enclosed spaces shall be immediately available by maintenance of water pressure on the firemain at all times when passengers are aboard the vessel, or by remote control of fire pumps which control shall be easily operable and readily accessible.

(b) Where approved remote controls are not installed, an alarm shall be fitted which will sound in the engine room indicating a drop of water pressure on the system.

12. Section 76.10-10 is amended by changing paragraphs (f) and (g) to read as follows:

§ 76.10-10 Fire hydrants and hose.

(f) The outlet at each fire hydrant shall be provided with a cock or valve fitted in such a position that the fire hose may be removed while the firemain is under pressure. In addition, the outlet shall be limited to any position from the horizontal to the vertical pointing downward, so that the hose will lead horizontally or downward to minimize the possibility of kinking.

(g) Each fire hydrant shall be provided with a single length of hose with nozzle attached and a spanner. A suitable hose rack or other device shall be provided for the proper stowage of the hose. If the hose is not stowed in the open or behind glass so as to be readily seen, the enclosure shall be marked in accordance with § 78.47-20. In addition, the accommodation and service areas of the ship shall be provided with two approved combination nozzles and suitable applicators. These nozzles and applicators may be stowed at the discretion of the master, but shall be convenient for immediate use in event of an emergency.

13. Section 76.10-90(a) is amended by revising subparagraphs (3) and (4) and by adding a new subparagraph (5), reading as follows:

§ 76.10-90 Installations contracted for prior to May 26, 1965.

(a) *

(3) When reasonable and practicable, where two or more fire pumps are required, they shall not all be located in the same space. Vessels on an international voyage shall, however, comply with the requirements of § 76.10-5(h).

(4) The general requirements of § 76.10-5 (c) through (h), 76.10-10 (d) through (i), and 76.10-15 shall be compiled with insofar as is reasonable and practicable. In addition, vessels on an international voyage shall comply with the requirements of § 76.10-5(b).

(5) Vessels on an international voyage shall comply with the requirements of § 76.10-3.

Subpart 76.15—Carbon Dioxide Extinguishing Systems, Details.

14. Section 76.15-90(a)(2) is amended to read as follows:

§ 76.15-90 Installations contracted for prior to November 19, 1952.

(a) *

(2) The details of the systems shall be in general agreement with §§ 76.15-5 through 76.15-40 insofar as is reasonable and practicable, with the exception of § 76.15-5(e) (1) through (3) covering spaces other than cargo spaces, which systems may be installed in accordance with subparagraphs (3) through (6) of this paragraph. However, the foregoing exception shall not be permitted for vessels on an international voyage.

PART 77—VESSEL CONTROL AND MISCELLANEOUS SYSTEMS AND EQUIPMENT

15. The authority note for Part 77 is amended to read as follows:

AUTHORITY: The provisions of this Part 77 issued under R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4417, as amended, 4418, as amended, 4426, as amended, 4488, as amended, 4491, as amended, sec. 10, 36 Stat. 428, as amended, 41 Stat. 305, as amended, secs. 1, 2, 49 Stat. 1544, 1545, as amended, sec. 17, 54 Stat. 166, as amended, sec. 3, 54 Stat. 347, as amended, sec. 8, 70 Stat. 152, sec. 3, 68 Stat. 675, sec. 6(b)(1), 80 Stat. 938; 46 U.S.C. 391, 392, 404, 481, 489, 395, 363, 367, 526p, 1333, 390b, 50 U.S.C. 198, 49 U.S.C. 1655(b); E.O. 11239, July 31, 1965, 30 F.R. 9671, 3 CFR, 1965 Supp. Department of Transportation Order 1100.1, Mar. 31, 1967, 49 CFR 1.4(a)(2), 32 F.R. 5606; unless otherwise noted.

Subpart 77.35—Fireman's Outfit

16. Section 77.35-5 is amended by adding paragraphs (f), (g), and (h), reading as follows:

§ 77.35-5 General.

(f) Boots and gloves shall be of rubber or other electrically nonconducting material.

(g) The helmet shall provide effective protection against impact.

(h) Protective clothing shall be of material that will protect the skin from the heat of fire and burns from scalding steam. The outer surface shall be water resistant.

16a. Section 77.35-10 is amended by revising paragraph (a) to read as follows:

§ 77.35-10 Fireman's outfit.

(a) A fireman's outfit shall consist of one self-contained breathing apparatus with lifeline attached, one flashlight, one flame safety lamp, a rigid helmet, boots and gloves, protective clothing, and one fire ax.

PART 78—OPERATIONS

17. The authority note for Part 78 is amended to read as follows:

AUTHORITY: The provisions of this Part 78 issued under R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4417, as amended, 4418, as amended, 4426, as amended, 4453, as amended, sec. 10, 35 Stat. 428, as amended, 41 Stat. 305, as amended, sec. 5, 49 Stat. 1384, as amended, secs. 1, 2, 49 Stat. 1544, 1545, as amended, sec. 17, 54 Stat. 166, as amended, sec. 3, 54 Stat. 347, as amended, sec. 3, 70 Stat. 152, sec. 3, 68 Stat. 675, sec. 6(b)(1), 80 Stat. 938; 46 U.S.C. 361, 362, 391, 391a, 392, 398, 404, 405, 411, 435, 481, 489, 366, 395, 363, 369, 367, 526p, 1333, 390b, 50 U.S.C. 198, 49 U.S.C. 1655(b); E.O. 11239, July 31, 1965, 30 F.R. 9671, 3 CFR, 1965 Supp. Department of Transportation Order 1100.1, Mar. 31, 1967, 49 CFR 1.4(a)(2), 32 F.R. 5606.

amended, secs. 1, 2, 49 Stat. 1544, 1545, as amended, secs. 17, 3, 54 Stat. 166, 347, as amended, sec. 3, 70 Stat. 152, sec. 3, 68 Stat. 675, sec. 6(b)(1), 80 Stat. 938; 46 U.S.C. 391, 302, 404, 481, 489, 395, 363, 367, 526p, 1333, 390b, 50 U.S.C. 198, 49 U.S.C. 1655(b); E.O. 11239, July 31, 1965, 30 F.R. 9671, 3 CFR, 1965 Supp. Department of Transportation Order 1100.1, Mar. 31, 1967, 49 CFR 1.4(a)(2), 32 F.R. 5606; unless otherwise noted.

18. The authority notes for Subparts 78.07, 78.13, 78.14, 78.17, 78.30, 78.47, 78.70, and 78.80 and for §§ 78.45-1, 78.75-1 and 78.85-1 are amended by deleting references to Treasury Department Orders 167-32, 167-38, and 167-46.

Subpart 78.47—Markings for Fire and Emergency Equipment, Etc.

19. Section 78.47-53(a) is amended by inserting between the words "red" and "letters" the phrase "daylight-reflecting" so that it reads as follows:

§ 78.47-53 Automatic ventilation dampers.

(a) The manual operating positions for automatic fire dampers in ventilation ducts passing through main vertical zone bulkheads shall be identified by red daylight-reflecting letters at least one-half-inch high "VENTILATION FIRE DAMPER." In addition, the open and closed positions shall be similarly marked.

SUBCHAPTER J—ELECTRICAL ENGINEERING**PART 111—ELECTRICAL SYSTEM; GENERAL REQUIREMENTS**

20. The authority note for Part 111 is amended to read as follows:

AUTHORITY: The provisions of this Part 111 issued under R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4399, as amended, 4400, as amended, 4417, as amended, 4417a, as amended, 4418, as amended, 4421, as amended, 4426, as amended, 4427, as amended, 4433, as amended, 4453, as amended, 4488, as amended, 4491 as amended, sec. 14, 29 Stat. 690, as amended, sec. 10, 35 Stat. 428, as amended, 41 Stat. 305, as amended, sec. 5, 49 Stat. 1384, as amended, secs. 1, 2, 49 Stat. 1544, 1545, as amended, sec. 17, 54 Stat. 166, as amended, sec. 3, 54 Stat. 347, as amended, sec. 3, 70 Stat. 152, sec. 3, 68 Stat. 675, sec. 6(b)(1), 80 Stat. 938; 46 U.S.C. 361, 362, 391, 391a, 392, 398, 404, 405, 411, 435, 481, 489, 366, 395, 363, 369, 367, 526p, 1333, 390b, 50 U.S.C. 198, 49 U.S.C. 1655(b); E.O. 11239, July 31, 1965, 30 F.R. 9671, 3 CFR, 1965 Supp. Department of Transportation Order 1100.1, Mar. 31, 1967, 49 CFR 1.4(a)(2), 32 F.R. 5606.

Subpart 111.50—Distribution and Circuit Loads

21. Section 111.50-5(c) is amended by adding a new subparagraph (2) reading as follows:

§ 111.50-5 Ship's service power circuits.

(c) *Ventilation systems.* *

(2) The remote control means for stopping accommodation and machinery space ventilation fans required by this paragraph shall be provided on all passenger vessels on an international voyage regardless of the date of construction.

RULES AND REGULATIONS

Subpart 111.65—Special Requirements for Certain Locations and Systems

22. Section 111.65-15(a) is amended by revising subparagraph (2) and by adding a new subparagraph (3), reading as follows:

§ 111.65-15 Special requirements for motion picture projection rooms and projection equipment.

(a) General.

(2) **Nonprofessional type projectors.** Projectors of the nonprofessional or miniature type may be operated without a projection room.

(3) **Film.** Only acetate or slow-burning film may be used. Nitrocellulose film is specifically prohibited.

for prior to November 19, 1952, other than passenger vessels on an international voyage, shall be in accordance with this section.

26. Section 112.90-10 is amended by changing the heading and paragraph (a) to read as follows:

§ 112.90-10 Emergency lighting system for passenger vessels, contracted for prior to November 19, 1952, other than ocean and coastwise passenger vessels and passenger vessels on an international voyage.

(a) The emergency lighting system for passenger vessels, contracted for prior to November 19, 1952, other than ocean and coastwise passenger vessels and passenger vessels on an international voyage, shall be in accordance with this section.

PART 112—EMERGENCY LIGHTING AND POWER SYSTEM

23. The authority note for Part 112 is amended to read as follows:

AUTHORITY: The provisions of this Part 112 issued under R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4399, as amended, 4400, as amended, 4417, as amended, 4417a, as amended, 4418, as amended, 4421, as amended, 4426, as amended, 4427, as amended, 4433, as amended, 4453, as amended, 4488, as amended, 4491, as amended, sec. 14, 29 Stat. 690, as amended, sec. 10, 35 Stat. 428, as amended, 41 Stat. 305, as amended, sec. 5, 49 Stat. 1384, as amended, secs. 1, 2, 49 Stat. 1544, 1545, as amended, sec. 17, 54 Stat. 166, as amended, sec. 3, 54 Stat. 347, as amended, sec. 3, 70 Stat. 152, sec. 3, 88 Stat. 675, sec. 6(b)(1), 80 Stat. 938; 48 U.S.C. 361, 362, 391, 391a, 392, 399, 404, 405, 411, 435, 481, 489, 366, 395, 363, 369, 367, 526p, 1333, 390b, 50 U.S.C. 198, 49 U.S.C. 1566(b); E.O. 11239, July 31, 1965, 30 F.R. 9871, 3 CFR, 1965 Supp. Department of Transportation Order 1100.1, Mar. 31, 1967, 49 CFR 1.4(a)(2), 32 F.R. 5606.

Subpart 112.90—Emergency Lighting and Power Systems for Vessels Contracted for Prior to November 19, 1952

24. Subpart 112.90 is amended by inserting after § 112.90-1 a new § 112.90-3 reading as follows:

§ 112.90-3 Emergency lighting and power systems for passenger vessels, contracted for prior to November 19, 1952, on an international voyage.

(a) The emergency lighting and power systems for passenger vessels, contracted for prior to November 19, 1952, on an international voyage shall meet the applicable standards of Subparts 112.05 through 112.55.

25. Section 112.90-5 is amended by changing the heading and paragraph (a) to read as follows:

§ 112.90-5 Emergency lighting system for ocean and coastwise passenger vessels, contracted for prior to November 19, 1952, other than passenger vessels on an international voyage.

(a) The emergency lighting system for ocean and coastwise vessels, contracted

for prior to November 19, 1952, other than passenger vessels on an international voyage, shall be in accordance with this section.

26. Section 112.90-10 is amended by changing the heading and paragraph (a) to read as follows:

§ 112.90-10 Emergency lighting system for passenger vessels, contracted for prior to November 19, 1952, other than ocean and coastwise passenger vessels and passenger vessels on an international voyage.

(a) The emergency lighting system for passenger vessels, contracted for prior to November 19, 1952, other than ocean and coastwise passenger vessels and passenger vessels on an international voyage, shall be in accordance with this section.

panel. The other contact maker shall be located in the wheelhouse. Where the general alarm power supply is in or adjacent to the wheelhouse only one contact maker need be provided. One additional contact maker may be installed at an accessible location.

(c) On tank vessels four manually operated contact makers shall be provided in accessible locations for operating the general alarm system. The contact makers shall be provided at the following locations: (1) Wheelhouse, (2) space where feeder distribution panel is located, (3) deck officers' quarters furthest from engineroom, and (4) engineroom. Where feeder distribution panels are not provided a contact maker shall be provided in the same space as the branch circuit distribution panel. Where the general alarm power supply is located in or adjacent to the wheelhouse the requirement that a contact maker be provided in the space where the feeder distribution panel is located is not applicable.

(d) On vessels on which an emergency squad is organized, on vessels having a manual fire alarm system, and on all passenger vessels (regardless of date of construction) on an international voyage, an independent manually operated contact maker shall be located in the wheelhouse and so connected as to operate only the general alarm bells located in crew's quarters and machinery spaces.

(1) In lieu of this arrangement on vessels on an international voyage, a separate special alarm system may be fitted for the same purpose, and to sound in the same areas.

29. Section 113.25-10(b) is amended by revising subparagraph (1) and by adding a new subparagraph (7), reading as follows:

§ 113.25-10 General requirements.

(b) **Distribution of general alarm system feeders and branch circuits.** (1) A feeder distribution panel shall be provided to divide the system into the required number of zone feeders. The distribution panel shall afford overcurrent protection for each zone feeder, but no disconnect switches shall be provided. The distribution panel shall be located in an enclosed space adjacent to the general alarm battery enclosure. If the arrangement of the vessel is such that only one zone feeder is required, the branch circuit distribution panel required by this paragraph may be substituted for the feeder distribution panel.

(7) General alarm feeders and branch circuit cables shall be located in passageways and shall avoid staterooms, lockers, galleys, machinery spaces, and other enclosed spaces except insofar as it is necessary to supply general alarm bells in those spaces.

30. Section 113.25-90 is amended by adding a new paragraph (d) reading as follows:

§ 113.25-90 General alarm system for existing vessels.

(d) All passenger vessels, regardless of the date of construction, on an international voyage shall have general alarm systems meeting the requirements in §§ 113.25-5(d) and 113.25-10(b).

Subpart 113.50—Emergency loudspeaker System

31. Section 113.50-5(a) is amended by adding at end thereof a new subparagraph (7) reading as follows:

§ 113.50-5 General requirements.

(a) * * *

(7) Accommodation spaces and service spaces.

32. Section 113.50-90(b)(1) is amended by adding at the end thereof a new subdivision (v) reading as follows:

§ 113.50-90 Emergency loudspeaker systems for existing vessels.

(b) *General requirements.* (1) * * *

(v) Accommodation spaces and service spaces.

Dated: December 14, 1967.

W. J. SMITH,
Admiral, U.S. Coast Guard,
Commandant.

[F.R. Doc. 67-14713; Filed, Dec. 19, 1967;
8:45 a.m.]



RULES AND REGULATIONS

Title 46—SHIPPING

Chapter I—Coast Guard, Department of Transportation

SUBCHAPTER H—PASSENGER VESSELS
[CGFR 67-21]

PART 70—GENERAL PROVISIONS

PART 80—DISCLOSURE OF SAFETY STANDARDS

Miscellaneous Amendments

1. Public Law 89-777, approved November 6, 1966, added paragraphs (b) and (c) to section 362 of Title 46, U.S. Code (R.S. 4400, as amended). On and after May 6, 1967, this law requires under certain conditions the disclosure of safety standards of foreign and U.S.-flag passenger vessels that are 100 gross tons or over having berth or stateroom accommodations for 50 or more passengers. The disclosure of safety standards must be in accordance with the regulations in this document and designated 46 CFR Part 80. These regulations implement section 362 of Title 46, U.S. Code, and are also effective May 6, 1967.

2. A notice of proposed rule making setting forth the proposed regulations on disclosure of safety standards of passenger vessels and the announcement of a public hearing by the Merchant Marine Council were published in the *FEDERAL REGISTER* of February 22, 1967 (32 F.R. 3153-3155). The written comments submitted at or prior to the public hearing and the oral comments made at the Merchant Marine Council Public Hearing held March 20, 1967, were considered and are identified in the record as Item PH 13-67. A number of comments submitted were not responsive to the proposals, but in effect objected to the new statutory requirements. Other comments raised hypothetical questions with respect to application or administration of the law and implementing regulations. Due to the nature of such comments, no actions could be taken with respect thereto.

Application. 3. The amendments to 46 CFR 70.05-1 and 70.05-3 in this document clarify the application of the passenger vessel regulations with respect to the addition of 46 CFR Part 80. These changes are based on the description in 46 CFR 80.05-1 and 80.05-3.

Safety information. 4. It is the intent of the regulations in 46 CFR Part 80 to inform all who are subject thereto as to what needs to be done without obtaining prior approval or clearance from the Coast Guard. In response to comments received, changes were made in 46 CFR 80.10-1, 80.10-10, 80.10-15, and 80.10-20. The important change was to provide in § 80.10-15 for a short safety information statement for those U.S.-flag vessels built subsequent to May 26, 1936.

Promotional literature or advertising. 5. A number of comments recommended that the phrase "promotional literature or advertising" be considered in the alternative rather than an all inclusive descriptive term. These comments were not accepted. The term "promotional

literature or advertising" is deemed to be an all inclusive description.

Details of information printed or spoken. 6. The intent of the regulations is to have the safety information when printed, to be readable, easily identified and readily recognized. The safety information in a television broadcast shall be spoken regardless of whether or not it is made available as a part of the picture transmitted. The printing of safety information statements in certain types of promotional literature or advertising is covered in a new paragraph designated 46 CFR 80.10-20(e).

Civil penalties. 7. The provisions of section 362 of Title 46, U.S. Code, provide for civil penalties to be applied when violations of the law and regulations in 46 CFR Part 80 may occur. The navigation and shipping laws have provided for the assessment, mitigation, or remission of civil penalties in cases of alleged violations. The regulations describing the procedures are set forth in 46 CFR 2.50 and the same procedures will be utilized in the enforcement of the regulations in this document. If a person, organization, or company objects to the Coast Guard's findings of a violation of law or regulations and the assessment of a civil penalty by the Coast Guard and refuses to pay the civil penalty assessed, then the matter is referred to the Department of Justice for appropriate action. If the penalty is not paid, the case may be tried in the U.S. District Court having jurisdiction in a civil trial *de novo*. A reference to these procedures has been added to 46 CFR 80.20-1.

Regulations promulgated and effective dates. 8. By virtue of the authority vested in me as Commandant, U.S. Coast Guard, by section 632 of Title 46, U.S. Code, and Department of Transportation Order 1100.1 delegating authority to prescribe regulations under laws transferred by subsection 6(b)(1) of the Department of Transportation Act, the following actions are ordered:

A. The vessel inspection regulations in 46 CFR Chapter I shall be amended in accordance with the changes and additions in this document.

B. The regulations in this document shall be effective on and after May 6, 1967.

C. On and after November 2, 1968, the safety information based on § 80.10-10 shall show whether or not the particular passenger vessel meets the 1966 fire safety requirements.

D. Promotional literature or advertising printed, filmed, or electronically recorded prior to May 6, 1967, or contracted for prior to that date, may be used without the safety information required by 46 CFR Part 80 until January 31, 1968.

E. All promotional literature or advertising printed, filmed, or electronically recorded and disclosed or utilized after January 31, 1968, shall contain the safety information required for the specific passenger vessel by 46 CFR Part 80.

Subpart 70.05—Application

9. Section 70.05-1 is amended by adding a paragraph (b) reading as follows:

§ 401.105-10 Calling-in.

An explosive vessel shall report the Seaway Explosives Permit number, and both explosive and hazardous cargo vessels shall report the nature of their cargo, in addition to the other required information, when calling-in as provided by §§ 401.103-4 and 401.103-5.

§ 401.105-11 Safety restrictions for passing through.

The passing through of explosive vessels and hazardous cargo vessels may be directed in a special manner by the officer in charge.

V. Part II of § 401.120-1 (Preclearance Form) is revised to provide more complete information as to required and recommended equipment for vessels; as follows:

§ 401.120-1 Preclearance form.

* * * * *

PART II—INFORMATION ON VESSEL

The furnishing of inaccurate information is an offense under the regulations.

1. Managing Owner or Operator of the Vessel:

- (a) Name of Company _____
- (b) Address _____
- 2. Type of Vessel:
 - (a) Cargo _____
 - (b) Tanker _____
 - (c) Passenger only _____
 - (d) Cargo/Passenger (more than 12 passengers) _____
 - (e) Cargo/Passenger (under 12 passengers) _____
 - (f) Under tow _____
 - (g) Dredge _____
 - (h) Scow _____
 - Barge _____
 - Tank Barge _____
 - (i) Tug _____
 - (j) Naval (MIL) _____
 - (k) Government _____
 - (l) Other (specify) _____
- 3. Type of service for which constructed:
 - (a) Inland _____
 - (b) Ocean _____
- 4. Specifications:
 - (a) Gross Tons _____
 - (b) Net Tons _____
 - (c) Length (overall) _____
 - (d) Extreme breadth (including fenders) _____

Note: It is of the utmost importance to furnish the precise overall length of all vessels in order that traffic controllers may arrange lockages accordingly.

5. Machinery:

- (a) Steam _____
- (b) Diesel _____
- (c) Turbine _____

Is vessel fitted with—

- (a) Adjustable pitch propeller? Yes No
- (b) Bridge control? Yes No
- (c) Gyro compass? Yes No
- (d) Oily-water separator? Yes No
- (e) Radar? Yes No
- (f) Rudder angle indicator? Yes No
- (g) Sewage disposal system? Yes No
- (h) Stern anchor? Yes No
- (i) Wrong way propeller direction alarm? Yes No

(88 Stat. 93-97, 88 U.S.C. 981-990, as amended)

SAINT LAWRENCE SEAWAY DEVELOPMENT CORPORATION,
(SEAL) JOSEPH H. McCANN,
Administrator.

(P.R. Doc. 67-4508; Filed, Apr. 24, 1967;
8:46 a.m.)

§ 70.05-1 U.S.-flag vessels subject to the requirements of this subchapter.

(b) The requirements for notification of safety standards to prospective passengers apply to every domestic passenger vessel of 100 gross tons or over having berth or stateroom accommodations for 50 or more passengers as set forth in Part 80 of this subchapter. The requirements for safety information in promotional literature or advertising apply to such passenger vessels only on international ocean voyages and U.S. domestic ocean voyages.

10. Section 70.05-3 is amended by revising the introductory text of paragraph (a), but not Table 70.05-1(a) and the subparagraphs thereunder, the introductory text of paragraph (b), but not the subparagraphs thereunder, and by adding a new paragraph (d), which read as follows:

§ 70.05-3 Foreign vessels subject to the requirements of this subchapter.

(a) Except as specifically noted in paragraph (b) of this section, Parts 70 to 78, inclusive, of this subchapter shall be applicable to the extent prescribed by law to all foreign vessels of the following classifications indicated in column 4 of Table 70.05-1(a) that are 100 gross tons or over;

(b) The provisions of Parts 70 to 78, inclusive, of this subchapter shall not be applicable to those foreign vessels covered by paragraph (a) of this section which are:

(d) The provisions of Part 80 of this subchapter regarding disclosure of safety standards shall apply to foreign passenger vessels of 100 gross tons or over having berth or stateroom accommodations for 50 or more passengers, as well as to the owners, operators, agents, or any persons involved in offering passage or soliciting passengers or selling passage on such vessels, when such vessels embark passengers at U.S. ports; or for such vessels on international ocean voyages anywhere in the world for which any offers of passage or soliciting of passengers is made by or through promotional literature or advertising in or over any medium of communication within the United States.

(R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 410. Interpret or apply R.S. 4399, as amended, 4400, as amended, 4421, as amended, 4426, as amended, 4453, as amended, 4458, as amended, sec. 10, 35 Stat. 428, as amended, 41 Stat. 305, as amended, sec. 5, 49 Stat. 1384, as amended, secs. 1, 2, 49 Stat. 1544, 1545, as amended, sec. 17, 54 Stat. 168, as amended, sec. 3, 54 Stat. 347, as amended, sec. 3, 70 Stat. 152, sec. 3, 68 Stat. 678; 46 U.S.C. 361, 362, 404, 399, 435, 481, 366, 395, 393, 367, 526p, 1333, 300b, 50 U.S.C. 198; E.O. 11239, July 31, 1965, 30 F.R. 9671, 3 CFR, 1965 Supp. Department of Transportation Order 1100.1, dated Mar. 31, 1967, 49 CFR 1.4(a)(2), 32 P.R. 5606)

11. Subchapter H is amended by inserting after Part 78 the following new Part 80:

Subpart 80.01—Authority and Purpose

Sec.
80.01-1 Purpose.
80.01-5 Authority.

Subpart 80.05—Application

80.05-1 Passenger vessels embarking passengers at U.S. ports.
80.05-3 Promotional literature or advertising.
80.05-10 Companies, organizations, and persons.

Subpart 80.10—Disclosure of Passenger Vessel Information

80.10-1 General.
80.10-3 Notification of safety to prospective passengers.
80.10-5 Promotional literature or advertising information requirements for international ocean voyages and U.S. domestic ocean voyages.
80.10-10 Safety information requirements for passenger vessels other than U.S. passenger vessels engaged on voyages on U.S. domestic inland and Great Lakes voyages.
80.10-15 Safety information requirements for U.S. passenger vessels engaged on U.S. domestic inland and Great Lakes voyages.
80.10-20 Details of information required to be printed or spoken.

Subpart 80.20—Penalties

80.20-1 Civil penalty assessed.

AUTHORITY: The provisions of this Part 80 issued under R.S. 4400, as amended; 46 U.S.C. 362. Department of Transportation Order 1100.1, dated March 31, 1967; 49 CFR 1.4(a)(2), 32 P.R. 5606.

Subpart 80.01—Authority and Purpose

§ 80.01-1 Purpose.

(a) The purpose of the regulations in this part is to require the disclosure of safety standards of passenger vessels and to specify the manner in which the disclosure shall be made.

§ 80.01-5 Authority.

(a) The regulations in this part regarding disclosure of safety standards of passenger vessels interpret or apply section 303 of 46 U.S. Code (R.S. 4400, as amended).

Subpart 80.05—Application

§ 80.05-1 Passenger vessels embarking passengers at U.S. ports.

(a) The regulations in this part apply to passenger vessels of 100 gross tons or over having berth or stateroom accommodations for 50 or more passengers and embarking passengers in:

- (1) The United States;
- (2) The Commonwealth of Puerto Rico;
- (3) The Virgin Islands; or,
- (4) Guam; and;

On one or more of the following type voyages:

- (i) International voyages;
- (ii) U.S. domestic ocean voyages;
- (iii) Voyages on the Great Lakes; or
- (iv) Coastwise voyages, including those voyages conducted solely on U.S. inland waters.

§ 80.05-3 Promotional literature or advertising.

(a) All promotional literature or advertising in or over any medium of communication within the United States offering passage or soliciting passengers for international ocean voyages anywhere in the world and for U.S. domestic ocean voyages shall comply with regulations in this part.

§ 80.05-10 Companies, organizations, and persons.

(a) Owners, operators, or agents of passenger vessels subject to this part, or persons offering or selling passage on either a foreign or U.S.-flag passenger vessel shall be governed by applicable regulations in this part.

Subpart 80.10—Disclosure of Passenger Vessel Information

§ 80.10-1 General.

(a) All information required by this subpart or furnished voluntarily by or in any means of communication shall be accurate and factual. Owners and operators of passenger vessels subject to this part shall furnish the required information to agents or persons offering or selling passage on foreign or U.S. passenger vessels subject to this part.

(b) Agents or persons offering or selling passage by or through any medium shall be deemed to have complied with this section if they repeat the information furnished them by the owner or operator of the vessel on which they offer or sell passage.

§ 80.10-3 Notification of safety to prospective passengers.

(a) Every prospective passenger shall be given a notification of safety for the passenger vessel on which such person desires to sail which will inform him of the safety standards which the vessel does or does not meet. This information shall be furnished by the owner, operator, or agent selling passage on the vessel and shall include all the information required by § 80.10-10 or § 80.10-15 as appropriate and shall be furnished in writing to each prospective passenger at or prior to his purchase of passage.

(b) This notification of safety shall be furnished separately from any promotional literature or advertising used.

§ 80.10-5 Promotional literature or advertising information requirements for international ocean voyages and U.S. domestic ocean voyages.

(a) All promotional literature or advertising in or over any medium of communication offering passage on or soliciting passengers for specific vessels, voyages or cruises on international ocean voyages and U.S. domestic ocean voyages shall include all the information required by this part.

NOTE: This requirement shall be applicable on and after May 6, 1967; however, all promotional literature or advertising printed, filmed or electronically recorded prior to May 6, 1967, or contracted for prior to that date, may be utilized until January 31, 1968.

RULES AND REGULATIONS

§ 80.10-10 Safety information requirements for passenger vessels other than U.S. passenger vessels engaged on voyages on U.S. domestic inland and Great Lakes voyages.

(a) Information required for notification to a prospective passenger and for promotional literature or advertising in or over any medium of communication shall be as set forth in this paragraph. Select appropriate parenthetical word, phrase or date which accurately describes the vessel. Wording in brackets may be used but will not be required until November 2, 1968.

(1) For vessels meeting 1948 or 1960 International Convention for the Safety of Life at Sea (SOLAS) standards for new vessels:

SAFETY INFORMATION

The _____ registered in _____ (Name) _____ meets International _____ (Country) Safety Standards for new ships developed in _____ [(and meets) (1948) (1960) (but does not meet) the 1966 fire safety requirements].

(2) For vessels in which the hull, decks and deckhouses (except isolated deckhouses containing no accommodations) are of steel or aluminum and which substantially comply with all other safety standards of the 1948 or 1960 SOLAS Convention for new vessels:

SAFETY INFORMATION

The _____ registered in _____ (Name) _____ substantially meets _____ (Country) International Safety Standards for new ships developed in _____ [(and meets) (1948) (1960) (but does not meet) the 1966 fire safety requirements].

(3) For vessels not included in subparagraphs (1) and (2) of this paragraph:

The _____ registered in _____ (Name) _____ (meets International _____ (Country) Standards for new ships developed in 1929) (does not meet any International Safety Standards developed as a result of an International Convention). Vessel's hull is of (combustible) (incombustible) material. Vessel's decks are of (combustible) (incombustible) material. Vessel's deckhouses are of (combustible) (incombustible) material. Vessel's structural bulkheads are of (combustible) (incombustible) material. Internal partitions are of (combustible) (incombustible) (both combustible and incombustible) materials. An automatic sprinkler system (is) (is not) fitted in passenger living and public spaces. [The vessel (meets) (does not meet) the 1966 fire safety requirements].

(b) Additional factual information regarding a passenger vessel's safety may be added separately from the required information.

(c) Descriptive information as to hull structure and partitions of identical materials may be consolidated.

§ 80.10-15 Safety information requirements for U.S. passenger vessels engaged on U.S. domestic inland and Great Lakes voyages.

(a) Information required for notification to a prospective passenger shall be as set forth in this paragraph. Select appropriate parenthetical word, phrase, or date which accurately describes the vessel.

(1) For vessels built on or after May 26, 1936:

SAFETY INFORMATION

The _____ meets U.S. Coast Guard (Name) standards for vessels built in _____ (Year)

(2) For vessels built prior to May 26, 1936:

SAFETY INFORMATION

The _____ meets U.S. Coast Guard standards for a vessel built to _____ regulations for inland waters. (Year)

Vessel's decks are of (combustible) (incombustible) materials. Vessel's deckhouses are of (combustible) (incombustible) materials. Vessel's structural bulkheads are of (combustible) (incombustible) materials. Internal partitions are of (combustible) (incombustible) (both combustible and incombustible) materials. An automatic sprinkler system (is) (is not) fitted in passenger living and public spaces.

(b) Additional factual information regarding a passenger vessel's safety may be added separately from the required information providing it is not misleading to a prospective passenger.

(c) Descriptive information as to hull structure and partitions of identical materials may be consolidated.

§ 80.10-20 Details of information required to be printed or spoken.

(a) The information concerning any passenger vessel required by this section on all printed promotional literature or advertising, including notifications, shall be in the same wording and format as set forth in § 80.10-10 or § 80.10-15, as applicable.

(1) The word "text" as used in this section means any portion of the printed matter, including any heading, wherein voyage or vessel description is made.

(b) Information disclosed on any type of electronic communications shall be spoken in the same wording and format as required by the applicable § 80.10-10.

(c) The wording and format in printed media, as required by the applicable § 80.10-10 or § 80.10-15, shall meet the following minimum requirements:

(1) The safety information statement shall be in at least the same size type as the body of text but in no event smaller than 6 point American point system.

(2) The heading "Safety Information" shall be in all caps, bold face type of a size at least as large as that used in the statement itself.

(3) The safety information heading and text shall be separated from other portions of advertisement, promotional literature, notifications, etc. by at least a double spacing or a box ruling.

(d) In promotional literature or advertising listing 2 or more passenger vessels, the safety information may be varied from that required by § 80.10-10 for each vessel to eliminate unnecessary repetition, so long as it is clear what standards each vessel meets. This may be done by inserting in the list of vessels appropriate footnote or asterisk reference after each vessel and in the safety information text have corresponding information which will be easily understood.

(e) In the brochures, pamphlets, schedules, etc., it is only necessary that the safety information for each vessel named therein be given once in each publication. Appropriate references shall be made as to where the safety information statement may be found for each vessel. For example, in a book or pamphlet the safety information statements for all vessels named therein may be printed on one page and the table of contents and notes throughout the text where the vessels are named may refer to such page and thereby eliminate repeating the safety information statement for each vessel on each and every page; or if the reference to safety information statements for all passenger vessels is noted prominently on the cover as to the page or place on which printed therein, the reference or notes about safety information with each vessel named may be omitted.

Subpart 80.20—Penalties

§ 80.20-1 Civil penalty assessed.

(a) For each violation of regulations in this part, the owner, operator, agent, or other person involved shall be subject to a civil penalty of not more than \$10,000 for which the vessel on which passage is to be sold shall be liable. If tickets are sold, the owner, operator, agent, or any other person involved in each violation of regulations in this part shall also be subject to a civil penalty of \$500 for each ticket sold for which the vessel on which passage is sold shall be liable.

(b) Procedures for assessment, mitigation, or remission of civil penalties in Subpart 2.50 in Part 2 of Subchapter A (Procedures Applicable to the Public) of this chapter will be followed in handling violations of regulations in this part.

Dated: April 20, 1967.

W. J. SMITH,
Admiral, U.S. Coast Guard,
Commandant.

[F.P. Doc. 67-4513; Filed, Apr. 24, 1967;
8:00 a.m.]

**TITLE 30—PENSIONS, BENEFITS,
AND VETERANS' RELIEF**

Chapter 1—Veterans Administration

**PART 2—DELEGATION OF
AUTHORITY**

Miscellaneous Amendments

1. In § 2.1, paragraph (b) is amended to read as follows:

§ 2.1 Delegation of authority to employees to issue subpoenas, etc.

(b) Designated positions: Director, Investigation and Security Service; Associate Director, Investigation and Security Service; Assistant Director, Investigation Division; heads of regional offices and centers having insurance activities, regional office activities, or both.

2. In § 2.3, paragraph (b) is amended to read as follows:

§ 2.3 Delegation of authority to order paid advertising for community placement homes.

(b) Authority to order such advertising is hereby delegated to the Chief Medical Director and heads of Veterans Administration hospitals, domiciliaries, outpatient clinics, and regional offices with outpatient clinics pursuant to 5 U.S.C. 302(b) (2).

3. Section 2.4 is revised to read as follows:

§ 2.4 Delegation of authority to order paid advertising for use in recruitment.

Paid advertisements may be used in recruitment for competitive and excepted service positions. Such advertisements,

RULES AND REGULATIONS

19 F.R. 8026; 167-20, June 18, 1956, 21 F.R. 4894; CGFR 56-28, July 24, 1956, 21 F.R. 6659; 167-38, Oct. 26, 1959, 24 F.R. 8857; 167-40, Nov. 6, 1961, 26 F.R. 10609;

**SUBCHAPTER T—SMALL PASSENGER VESSELS
(NOT MORE THAN 65 FEET IN LENGTH)**

PART 187—LICENSING

1. The authority for Part 187 is amended to read as follows:

Authority: The provisions of this Part 187 issued under secs. 7 and 17, 54 Stat. 168, as amended, 168, as amended, sec. 2, 70 Stat. 132; 46 U.S.C. 8201, 8205, 8905. Interpret or apply R.R. 4417a, as amended, 4428, as amended; 46 U.S.C. 891a, 404. Treasury Depart-

ment Order 120, July 31, 1950, 15 F.R. 6521; 167-20, June 18, 1956, 21 F.R. 4894.

Subpart 187.10—Original License

2. Section 187.10-15(d) is amended to read as follows:

§ 187.10-15 Physical examination.

(d) Where an applicant is not possessed of the vision, hearing, or general physical condition necessary, the Officer in Charge, Marine Inspection, after consultation with the Public Health Service physician or other examining physician, may make recommendations to the Commandant for an exception to these requirements, if in his opinion, extenuat-

ing circumstances warrant special consideration. Any requests for a decision by the Commandant must be accompanied by all pertinent correspondence, records, and reports. In this connection recommendations from agencies of the Federal Government operating Government vessels, as well as owners and operators of private vessels, made in behalf of their employees, will be given full consideration in arriving at a decision.

Dated: August 18, 1965.

[SACL] W. D. SHIELDS,
Vice Admiral, U.S. Coast Guard,
Acting Commandant.

[F.R. Doc. 65-8877; Filed, Aug. 20, 1965;
8:48 a.m.]

be tested individually. The operation of the audible alarm and visible indicator associated with the lower low-water cut-off shall be verified. The manual reset device shall be tested after operation of the lower low-water cutoff.

(vi) *Fuel supply controls.* The satisfactory operation of the two fuel control solenoid valves for all conditions of operation and shutdown shall be verified.

(3) A low voltage test shall be conducted to satisfactorily demonstrate that the fuel supply to the burners will be automatically shut off before any boiler malfunction results from the reduced voltage.

(4) Temperatures of motors, relays, and solenoid coils shall be measured to determine that units are operating within rated temperatures.

(5) All switches shall be tested to verify proper operations.

(c) *Installation tests.* (1) *Operating test.* An operating test after installation shall be conducted for a period of at least two (2) hours to insure that all the control components have been properly installed and that all parts of the boiler, including controls and safety devices, are in satisfactory operating condition.

(2) *Guide for installation test.* The performance tests described in paragraph (b) of this section shall be used as a guide for conducting the installation tests.

(3) *Hydrostatic tests and inspection.* The hydrostatic test and inspection of the boiler after installation shall conform to the requirements for new boilers as prescribed in Parts 50 to 61 in Subchapter F (Marine Engineering) of this chapter.

(d) *Shipboard test.* If for any reason the inspection and performance tests described in this section cannot be performed at the factory, these inspection and performance tests shall be conducted after the boiler is installed on the vessel. In this case the operating test required by paragraph (c) (1) of this section need not be performed.

(e) *Tests observed by Coast Guard.* All tests shall be witnessed by a marine inspector.

§ 162.026-19 Tests after type approval.

(a) Packaged units manufactured identical to a design that has been granted type approval by the Commandant need not be subjected to the performance test specified by § 162.026-18(b).

§ 162.026-20 Approvals by the Commandant.

(a) Type approval may be granted by the Commandant for a specific design of boiler, which is completely packaged and assembled in the boiler manufacturer's shop. A certificate of approval, setting forth the assigned approval number and specific limitations or conditions, if any, will be issued after it is determined the boiler meets applicable requirements.

(b) If it is not practicable to ship the boiler as a packaged unit, and the boiler must be assembled on the vessel, approval may be granted and shall be limited to the specific installation.

(c) For one-of-a-kind boilers, and in other cases where type approval is not

practicable, approval may be granted and shall be limited to the specific installation.

§ 162.026-21 Procedure for approval.

(a) *Plan submittal.* (1) In order for any new design or automatic packaged boiler to be considered for approval, the manufacturer shall submit the following plans and data in quadruplicate to the Commandant (MMT), U.S. Coast Guard, Washington, D.C., 20226:

(i) Plans showing pressure parts and piping components including ASTM material designations.

(ii) List of mechanical equipment (valves, fittings, water level controls, etc.) showing material and manufacturer's name and model number.

(iii) Description of operation.

(iv) Elementary wiring diagram.

(v) List of electrical equipment showing material and manufacturer's name and model number.

(2) After the lists of mechanical and electrical equipment have been reviewed, in some instances manufacturer's descriptive literature or assembly drawings of mechanical and electrical components may be also required for approval action. Examples of such components are programming controls, combustion controls, valves, solenoid valves, water level controls, switches, relays, transformers, etc.

(3) If the drawings and descriptive data submitted are satisfactory, the manufacturer will be so advised and he may then proceed with the fabrication of the boiler.

(b) *Preapproval tests.* (1) Upon completion of the packaged unit, the manufacturer shall notify the Officer in Charge, Marine Inspection, in the zone in which the boiler is fabricated or assembled, when the boiler is ready for the preapproval inspection and performance test.

(2) When the boilers are completely packaged and assembled in the boiler manufacturer's shop, one complete unit of a prototype design shall be subjected to the performance test prescribed in § 162.026-18(b). Upon satisfactory completion of this test, type approval as described in § 162.026-20(a) may be granted by the Commandant.

§ 162.026-22 Instruction booklets.

(a) The boiler manufacturer shall furnish with each boiler, instruction booklets providing a full description of the boiler and all auxiliaries, and complete instructions for installation and operation of the packaged unit.

PART 164—MATERIALS

Subpart 164.009—Incombustible Materials for Merchant Vessels

§ 164.009-2 [Amended]

1. Section 164.009-2 *Material* is amended by changing the address at the end of paragraph (b) (5) from "Philadelphia 3, Pa." to "Philadelphia, Pa., 19103."

Subpart 164.012—Interior Finishes for Merchant Vessels

2. Section 164.012-1(b) is amended to read as follows:

§ 164.012-1 Applicable specifications.

(b) A copy of this subpart, together with copies of the specifications referred to in this section, shall be kept on file by the manufacturer of any Interior Finish except those qualifying under § 164.012-5(c). It should be noted that the standards listed in subparagraphs (1) and (2) of paragraph (a) of this section are identical and, therefore, only one need be kept on file. The Coast Guard specifications may be obtained upon request from the Commandant, U.S. Coast Guard Headquarters, Washington, D.C., 20226. The American Society for Testing Materials Standards may be purchased from that society at 1916 Race Street, Philadelphia, Pa., 19103. The National Fire Protection Association Standard may be purchased from that association at 60 Batterymarch Street, Boston, Mass., 02110.

Subpart 164.013—Foam, Unicellular Polyethylene (Buoyant, Slab, Slitted Trigonal Pattern) for Motorboats of Classes A, I, or 2 Not Carrying Passengers for Hire

§ 164.013-1 [Amended]

3. Section 164.013-1 is amended by changing the address in paragraph (b) (3) from "Scotia, N.Y., 13147" to "5801 Tabor Avenue, Philadelphia, Pa., 19120" and in paragraph (b) (4) from "Philadelphia, Pa." to "Philadelphia, Pa., 19103."

(R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416. Treasury Department Order 120, July 31, 1950, 15 F.R. 6521)

SUBCHAPTER R—NAUTICAL SCHOOLS

PART 167—PUBLIC NAUTICAL SCHOOL SHIPS

Subpart 167.65—Special Operating Requirements

Section 167.65-50 is amended to read as follows:

§ 167.65-50 Posting placards of lifesaving signals and breeches buoys instructions.

(a) A placard containing instructions for the use of breeches buoys and the lifesaving signals as set forth in Regulation 16, Chapter V, of the International Convention for Safety of Life at Sea, 1960 (Form CG-811), shall be posted in the pilothouse, engineer room, and in the seamen's, firemen's, and stewards' departments of every nautical school ship.

(b) The lifesaving signals as described in the placard shall be used by vessels or persons in distress when communicating with lifesaving stations and maritime rescue units.

(R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4417, as amended, 4418, as amended, 4426, as amended, 4433, as amended, 4450, as amended, 4488, as amended, 4491, as amended, 41 Stat. 205, as amended, secs. 1, 2, 49 Stat. 1544, 1545, as amended, sec. 8, 70 Stat. 152, sec. 3, 68 Stat. 675, sec. 8, 75 Stat. 403; 46 U.S.C. 391, 392, 404, 411, 239, 222, 481, 489, 363, 367, 390b, 50 U.S.C. 198; 83 U.S.C. 1007; E.O. 11239, 30 F.R. 9671, 3 CFR, 1965 Supp. Treasury Department Orders 120, July 31, 1950, 15 F.R. 6521; 167-14, Nov. 26, 1954.

pansion tube, or thermo-hydraulic type, or such other type acceptable to the Commandant. Float chamber type low-water cut-offs using stuffing boxes to transmit the motion of the float from the chamber to the external switches are prohibited.

(b) Water level controls shall be so located as to minimize the effect of vessel roll and pitch.

(c) Water level devices shall be so constructed that the water inlet valve cannot feed water into the boiler through the float chamber.

(d) The minimum size of pipes connecting a float chamber to a boiler shall be 1 inch. Shut-off valves fitted in connecting piping shall be either outside-screw-and-yoke or lever lifting type gate valves, or stopcocks having levers permanently thereto and marked in line with the passageway, or of such other through construction as to prevent stoppage by deposits of sediment and also constructed to indicate by the position of the operating mechanism whether open or closed. Where stopcocks are used they shall be of a type having the plug held in place by a guard or gland.

(e) No outlet connection except for pressure controls, water columns, drains, or steam gauges shall be placed on the float chamber or on the pipes connecting the float chamber to the boiler on which it is mounted.

(f) Float or electrode chambers shall be equipped with a suitable drain connection not less than $\frac{3}{4}$ -inch pipe size.

(g) Float operated water control or cutoff devices shall be so constructed as not to be damaged in case of water levels above or below the intended operating and cutoff levels.

(h) The requirements of this section apply to boilers having a definite water line. Boilers designed to operate with no definite water line will be given special consideration by the Commandant.

§ 162.026-11 Fuel supply control system.

(a) Two fuel control solenoid valves shall be provided in series in the fuel supply line to the burner. The valves shall be connected in parallel electrically so that both operate simultaneously.

(b) In addition to providing the fuel shutoff in case of ignition or flame failure, fuel shutoff shall occur in the event of low water, high steam pressure, inadequate or complete loss of draft, low voltage, low fuel pressure, or other abnormal condition.

(c) Oil solenoid valves shall be approved as required by paragraph 162.026-3(b), and shall be acceptable to the Commandant.

§ 162.026-12 Ignition transformer and cable.

(a) Power for ignition of the fuel shall be provided by a high-tension transformer rated at not less than 10,000 volts on the secondary side. The ignition transformer shall conform to requirements of Underwriters' Laboratories, Inc., UL 506, Standard for Specialty Transformers.

(b) Ignition cable shall conform to requirements of Underwriters' Laboratories, Inc., UL 814, Standard for Gas-

Tube-Sign and Ignition Cable. The cable shall have a voltage rating equal to or greater than the rated secondary voltage of the ignition transformer.

§ 162.026-13 Fuel pumps.

(a) Fuel pumps shall conform to requirements of Underwriters' Laboratories, Inc., UL 343, Standard for Pumps for Oil-Burning Appliances.

§ 162.026-14 Strainers.

(a) Duplex fuel oil strainers or single strainers fitted with a by-pass shall be installed in the supply line to the fuel oil pump.

(b) The strainers shall conform to requirements for strainers in Underwriters' Laboratories, Inc., UL 293, Standard for Oil Burners.

§ 162.026-15 Fuel oil.

(a) The boiler shall be designed to burn one or more of the five grades of hydrocarbon oil, as defined by the National Bureau of Standards, Commerce Department, commercial standard, CS 12, Specification for Fuel Oil, or American Society for Testing Materials' standard A.S.T.M. D398, Specifications for Fuel Oils. In either specification the term "light oil" refers to Grade Nos. 1, 2, and 4, and the term "heavy oil" refers to Grade Nos. 5 and 6.

(b) Only oil fired pilots are permitted. Where heavy fuel is used a thermostatically controlled electric oil heater shall be furnished.

§ 162.026-16 Boiler alarms.

(a) Operation of the lower low-water cutoff shall cause an audible alarm to be automatically sounded. A visible indicator shall show that the shutdown was caused by low water.

(b) If shutdown is due to the flame safety system, an audible alarm shall be automatically sounded. A visible indicator shall show that shutdown was caused by the flame safety system.

(c) Means shall be provided to silence the audible alarm. The visible indicators shall be designed so that manual reset is required.

§ 162.026-17 Wiring of electrical components.

(a) Unless otherwise specified in this section, all wiring shall be in accordance with Underwriters' Laboratories, Inc., Standard for Oil Burners, UL 296.

(b) All insulated wire shall be National Electric Code moisture resistant type or other type approved by the Commandant and rated for the maximum temperature that will be encountered after installation.

(c) All conductors shall be stranded and not smaller than No. 18 AWG.

(d) Conductors between equipment enclosures shall be enclosed within rigid conduit, except that armored cable or flexible conduit may be used for short runs where the use of rigid conduit is impracticable.

(e) Conduit shall be securely supported and shall enter enclosures from the bottom where practicable.

(f) All conduit runs shall be adequately drained at low points.

(g) Wire sizes and overcurrent protection shall be in accordance with the ap-

plicable requirements of the National Electrical Code.

§ 162.026-18 Inspection and tests.

(a) *Inspection.* (1) Each boiler shall be carefully examined by a marine inspector to determine compliance with the specifications and approved drawings. This inspection shall be made while the boiler is under construction in accordance with § 61.20-1(a) of Subchapter F (Marine Engineering) of this chapter. In addition, each boiler shall be inspected specifically for the following defects:

(i) Missing components or components not in accordance with approved drawings.

(ii) Material defects—defective materials or welding or casting defects.

(iii) Defective workmanship—painting, wiring, assembly, and insulation.

(b) *Performance test.* (1) A performance test shall be conducted for a continuous period of not less than 8 hours at the following loads:

3 hours at rated capacity;

2 hours at 50 percent rated capacity;

2 hours at loads varied between rated capacity and 50 percent rated capacity; and,

1 hour at loads varied between 50 percent rated capacity and 20 percent rated capacity.

(2) Capacity changes shall be made abruptly. The boiler shall be started cold and the functioning of all controls shall be observed.

(3) Boiler controls shall be tested at each load as follows:

(i) *Flame safeguard.* The operation of the flame safeguard system shall be verified by simulating flame and ignition failures. Operation of the audible alarm and visible indicator shall be verified. The shutdown times shall be verified by stopwatch.

(ii) *Boiler limit controls.* Boiler shutdown due to the operation of boiler limit controls shall be verified. The steam pressure controls shall be tested by regulating the steam pressure. It shall be verified that this device will automatically cut off the fuel supply to the burners at high pressure and restart the burner when the boiler pressure drops to the low limit. The draft loss interlock switch shall be tested by stopping the blower motor or blocking the draft opening. It shall be verified that this switch will operate to prevent startup and cause shutdown of the burner in case of inadequate air supply to the burner.

(iii) *Combustion controls.* During the tests prescribed by this paragraph, the combustion control shall be stable and operate smoothly. If combustion appears inadequate, an analysis of stack gas should be made to verify the condition.

(iv) *Programming controls.* Programming controls shall be verified as controlling and cycling the boiler in the intended manner. Proper pre-purge, ignition, post purge, and modulation shall be verified. A stopwatch shall be used for verifying intervals of time.

(v) *Water level controls.* Water level controls shall be tested by slowly lowering the water level in the boiler. The operating water level controls and the upper and lower low-water cutoffs shall

purtenances, and control equipment shall be designed to permit satisfactory operation with a momentary roll of 30 degrees and with a permanent list of 15 degrees and a permanent trim 5 degrees with the boiler installed in the position specified by the manufacturer.

(d) All electrical devices shall be of drip-proof construction. All mechanical and electrical parts shall be protected against accidental contact.

§ 162.026-4 Controls.

(a) Each automatic packaged boiler shall be fitted with the following control systems:

- (1) Programming Control System.
- (2) Flame Safeguard Control System.
- (3) Boiler Limit Control System.
- (4) Combustion Control System.
- (5) Water Level Control System.
- (6) Fuel Supply Control System.

(b) Control systems (including relays, switches, and other auxiliary equipment used in conjunction therewith) shall be designed and utilized to prevent unsafe operation of the boiler. The control equipment shall be so designed that as far as practicable any failure of this equipment will prevent continued operation of the boiler and cause the fuel supply to be cut off.

(c) Electrical controls shall be provided to shut down the boiler from a position outside the compartment in which it is located, so that fuel will not be supplied to the fuel burning equipment. The entire boiler shall be disconnected from all sources of potential by means of one disconnect switch located adjacent to boiler.

(d) Mercury tube actuated controls are prohibited.

§ 162.026-5 Programming control system.

(a) The programming control system shall be connected to the combustion control system and the safety interlocks, as required, to provide safe operation upon starting, stopping, and cycling between temperature or pressure limits.

(b) The programming control shall cycle the boiler in accordance with a predetermined sequence. The sequence of operation shall include the following:

(1) A pre-purge period for a sufficient duration to assure a minimum of 4 changes of air in the combustion chamber and convection spaces, but not less than 15 seconds.

(2) Ignition (spark coming on) shall occur only before or simultaneously with the opening of the fuel oil valve and shall remain energized during the trial for ignition period.

(3) A post-purge period of at least 15 seconds after the closing of the fuel valve.

(4) When controls are provided to modulate the air to fuel ratio, the modulating air control shall be opened sufficiently to provide the required pre-purge.

(5) For high-low-off and modulating controls, ignition shall occur only when the controls are in the low-fire position.

§ 162.026-6 Flame safeguard control system.

(a) The flame safeguard control shall consist of a flame sensing element and associated equipment, connected to the

programming control to provide for shut down of the boiler in the event of ignition failure and flame failure during the firing cycle. The flame safeguard control shall be so designed that the failure of any component will cause a safety shut down and prevent automatic restarting.

(b) The flame safeguard control shall be capable of closing the fuel valves in not more than 4 seconds after a flame failure.

(c) The flame safeguard control shall provide a trial-for-ignition period of not more than 10 seconds during which fuel may be supplied to establish flame. If flame is not established within 10 seconds the fuel supply to the burners shall be immediately shut off automatically. Where a light oil pilot is used the flame safeguard control shall provide a trial-for-ignition period for the pilot of not more than 15 seconds. If flame is not established within 15 seconds the fuel supply to the pilot shall be immediately shut off automatically.

(d) Whenever the flame safeguard control has operated because of failure of ignition, flame failure, or failure of any component, manual reset of the flame safeguard control shall be required for restart.

(e) Flame safeguard controls of the thermostatic type, such as stack switches and pyrostats operated by means of an open bi-metallic helix, are prohibited.

§ 162.026-7 Boiler limit control system.

(a) Boiler limit controls consisting of various control actuators interlocked with the burner circuit to prevent start up, and to cause safety shut down when firing if unsafe firing conditions exist shall be provided as specified in this section.

(b) Steam operating controls shall be provided to regulate or cut-off the fuel to the burners in the event the steam pressure exceeds a predetermined amount. This control shall operate to cut off the fuel to the burner when the steam pressure reaches not more than 5 p.s.i. above the maximum designed working pressure of the boiler. Operating steam pressure controls shall operate at cut-out and cut-in pressures when arranged for automatic operation.

(c) A draft loss interlock switch shall be provided for boilers with forced draft. This switch shall prevent start up and shall shut down the burner when air flow is inadequate to support satisfactory combustion.

(d) Two low-water cut-offs shall be provided. They shall prevent start up and shall shut down the burner if the water level is not at or above a minimum safe level. The cut-offs shall operate at different water levels and the lower shall operate when the water surface falls to a level no lower than that visible in the gauge glass.

(1) The upper low-water cut-off may be arranged to operate in conjunction with the operating water level control.

(2) The lower low-water cut-off shall have an independent connection to the boiler, and shall be so arranged that upon operation, both fuel control solenoid valves required by § 162.026-11(a) shall be deenergized. After the lower low-water cut-off functions, the reset-

ting of a manual device shall be required before the boiler can be restarted.

(e) An oil pressure interlock switch shall be provided to initiate a safety shut down when the oil pressure in the fuel supply piping to the burner falls below the value required for safe combustion.

(f) An oil temperature limit interlock shall be provided for boilers designed to burn heavy oil. This interlock shall prevent the boiler from being started and shall automatically shut off the fuel oil to the burners if the temperature of the oil falls below the proper combustion temperature.

(g) Other interlocks shall be provided to prevent start up and/or cause shut down of the boiler as specified by the manufacturer.

§ 162.026-8 Combustion control system.

(a) A combustion control system shall be provided to insure a satisfactory fuel to air ratio under all designed operating conditions.

(1) When the burner is a fixed rate "on-off" type the combustion control system shall insure burner operation at the optimum firing rate by maintaining a fixed mechanical relationship between the area of the air damper opening and the rate of fuel flow to the burner. The air controls shall be manually adjustable in the event a change of the fuel air ratio is required. For this system the programming control system shall cycle the burner on and off to meet the load demand.

(2) When the burner control is a "high-low-off" system the combustion controls shall position the air and fuel supply openings for low fire and high fire in order to maintain the preset pressure or temperature as the load demand varies. The fuel control valve (or other suitable metering device) and the draft damper shall be power operated and shall be manually adjustable so as to maintain the proper fuel-air ratio at both firing rates. A low-fire interlock to insure low-fire start shall be provided (see § 162.026-5(b)(5)).

(3) When the combustion control is a modulating type, the system shall provide a satisfactory fuel-air ratio throughout the range of firing rates. Power operated actuators shall be provided to position the fuel control system and the draft dampers. Means for manually adjusting the air-fuel ratio shall be provided for all firing rates permitted by the burner turn-down ratio. A low-fire interlock to insure low-fire start shall be provided (see § 162.026-5(b)(5)).

§ 162.026-9 Water level control system.

(a) Each boiler shall be equipped with an operating level control device to automatically supply the required amount of feed-water when the surface of the water falls to a predetermined level, and to automatically shut-off the feed-water supply when the water level rises to a predetermined level.

§ 162.026-10 Detail requirements for operating water level controls and low-water cut-off controls.

(a) Operating level controls and low-water cut-offs may be of the float type, electrode probe type, thermostatic ex-

PART 162—ENGINEERING EQUIPMENT

Subpart 162.001—Safety Valves (Power Boilers)

§ 162.001-9 [Amended]

1. Section 162.001-9 *Procedure for approval* is amended by changing the address at the end of paragraph (a) from "Washington 25, D.C." to "Washington, D.C., 20226."

Subpart 162.012—Safety Valves (Steam Heating Boilers)

§ 162.012-7 [Amended]

2. Section 162.012-7 *Procedure for approval* is amended by changing the address at the end of paragraph (a) from "Washington 25, D.C." to "Washington, D.C., 20226."

Subpart 162.013—Relief Valves (Hot Water Heating Boilers)

§ 162.013-7 [Amended]

3. Section 162.013-7 *Procedure for approval* is amended by changing the address at the end of paragraph (a) from "Washington 25, D.C." to "Washington, D.C., 20226."

Subpart 162.016—Flame Arresters for Tank Vessels

4. Section 162.016-1 is amended by adding a paragraph (b) reading as follows:

§ 162.016-1 Applicable specifications.

(b) Copies of the approved plans, specifications and the certificate of approval shall be kept on file by the manufacturer. They shall be kept for a period consisting of the duration of the approval and 6 months after termination of approval.

§ 162.016-6 [Amended]

5. Section 162.016-6 *Procedure for approval* is amended by changing the address at the end of the first sentence of paragraph (a) from "Washington 25, D.C." to "Washington, D.C., 20226."

Subpart 162.017—Pressure-Vacuum Relief Valves and Spill Valves for Tank Vessels

§ 162.017-6 [Amended]

6. Section 162.017-6 *Procedure for approval* is amended by changing the address at the end of paragraph (a) from "Washington 25, D.C." to "Washington, D.C., 20226."

Subpart 162.018—Safety Relief Valves, Liquefied Compressed Gas

§ 162.018-8 [Amended]

7. Section 162.018-8 *Procedure for approval* is amended by changing the address at the end of paragraph (a) from "Washington 25, D.C." to "Washington, D.C., 20226."

(R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416. Treasury Department Order 120, July 31, 1950, 15 F.R. 6521)

Subpart 162.026—Boilers, Auxiliary, Automatically Controlled, Packaged, for Merchant Vessels

8. Subpart 162.026, consisting of §§ 162.026-1 to 162.026-17, is amended to read as follows:

Sec.	162.026-1	Applicable regulations and specifications.
	162.026-2	Scope.
	162.026-3	Construction.
	162.026-4	Controls.
	162.026-5	Programming control system.
	162.026-6	Flame safeguard control system.
	162.026-7	Boiler limit control system.
	162.026-8	Combustion control system.
	162.026-9	Water level control system.
	162.026-10	Detail requirements for operating water level controls and low-water cutoff controls.
	162.026-11	Fuel supply control system.
	162.026-12	Ignition transformer and cable.
	162.026-13	Fuel pumps.
	162.026-14	Strainers.
	162.026-15	Fuel oil.
	162.026-16	Boiler alarms.
	162.026-17	Wiring of electrical components.
	162.026-18	Inspection and tests.
	162.026-19	Tests after type approval.
	162.026-20	Approval by the Commandant.
	162.026-21	Procedure for approval.
	162.026-22	Instruction booklets.

AUTHORITY: The provisions of this Subpart 162.026 interpret or apply R.S. 4417a, as amended, 4418, as amended, 4433, as amended, 4491, as amended, secs. 1, 2, 49 Stat. 1544, 1545, as amended, sec. 3, 54 Stat. 247, as amended, sec. 3, 68 Stat. 675; 46 U.S.C. 391a, 392, 411, 430, 357, 1833, 60 U.S.C. 198; E.O. 11239, 30 F.R. 9671, 3 CFR, 1963 Supp. Treasury Department Orders 120, July 31, 1950, 15 F.R. 6521; 167-14, Nov. 20, 1954, 19 F.R. 8026; CGFR 56-28, July 24, 1956, 21 F.R. 5639.

§ 162.026-1 Applicable regulations and specifications.

(a) The following standards, specifications, and regulations of the issue in effect on the date the contract is awarded, form a part of this subpart:

(1) Underwriter's Laboratories, Inc., specifications:

UL 296—Standard for Oil Burners.

UL 343—Standard for Pumps for Oil-Burning Appliances.

UL 506—Standard for Specialty Transformers.

UL 614—Standard for Gas-Tube-Sign and Ignition Cable.

(2) National Fire Protection Association standards:

National Electrical Code.

(3) A.S.T.M. standard:

D398—Specifications for Fuel Oils.

(4) National Bureau of Standards commercial standard:

CS 12—Specifications for Fuel Oils.

(5) Coast Guard regulations:

CG-115—Marine Engineering Regulations (46 CFR (Subchapter F) Parts 60 to 61, inclusive).

(b) Where the requirements in the standards, specifications, and regulations referred to in this section conflict with the requirements in this subpart, the requirements in this subpart shall govern in all cases.

(c) Copies of the standards, specifications, and regulations referred to in this section shall be kept on file by the manufacturer, together with the approved plans and the certificate of approval when issued or other correspondence indicating Coast Guard's approval of individual boilers, except for the specifications for fuel oils when either the A.S.T.M. standard D396 or U.S. Department of Commerce's commercial standard CS 12 may be kept on file. When requested by a marine inspector these standards, specifications, regulations, and approved plans shall be made available to him for checking purposes. For boilers covered by certificates of approval, these standards, specifications, regulations, and approved plans shall be kept for a period consisting of the duration of the approval and 6 months after the termination of approval.

(d) The UL standards or specifications may be purchased from the Underwriter's Laboratories, Inc., Post Office Box 247, Northbrook, Ill., 60062. The National Electric Code may be purchased from the National Fire Protection Association, 60 Batterymarch Street, Boston, Mass., 02110. The A.S.T.M. standards may be purchased from the American Society for Testing Materials, 1916 Race Street, Philadelphia, Pa., 19103. The National Bureau of Standards' commercial standards may be obtained from the National Bureau of Standards, Commerce Department, Washington, D.C., 20234. The Coast Guard regulations may be obtained from the Commandant, U.S. Coast Guard, Washington, D.C., 20226.

§ 162.026-2 Scope.

(a) This specification covers requirements for the design, construction, and testing of automatically controlled packaged auxiliary boilers, intended for installation on merchant vessels subject to inspection by the Coast Guard.

(b) The term "automatically controlled packaged auxiliary boiler" means a steam boiler operating at pressures exceeding 30 p.s.i. used for all purposes on shipboard for which steam may be required other than propulsion; equipped with all necessary controls for automatic operation; and furnished complete with fuel burning equipment, mechanical draft equipment and necessary mechanical feed water equipment, thus requiring only to be connected to fuel, water, and electric supplies to be ready for use.

§ 162.026-3 Construction.

(a) All automatic packaged boilers shall meet the applicable requirements of Subchapter F (Marine Engineering) of this chapter, as otherwise specified in this subpart.

(b) All electrical and mechanical control devices shall be of a type tested and approved by a test laboratory acceptable to the Commandant, such as the Underwriters Laboratories, Inc., Factory Mutual Laboratory, or a recognized inspection board, or shall be specifically approved by the Commandant.

(c) All devices and components shall be designed to perform satisfactorily in marine service. The boiler, boiler ap-

in subparagraph (1), from "A27-46T" to "A27" in subparagraph (2), and from "A216-47T" to "A216" in subparagraph (3).

Subpart 160.033—Mechanical Disingaging Apparatus, Lifeboat, for Merchant Vessels

28. Section 160.033-1 is amended by adding a paragraph (b) reading as follows:

§ 160.033-1 Applicable specifications.

(b) *Copies on file.* A copy of the specification regulations referred to in this section shall be kept on file by the manufacturer, together with the approved plans and certificate of approval. They shall be kept for a period consisting of the duration of approval and 6 months after termination of approval. The specification may be obtained from the Commandant, U.S. Coast Guard, Washington, D.C., 20226.

Subpart 160.034—Hand Propelling Gear, Lifeboats, for Merchant Vessels

29. Section 160.034-1 is amended by adding a paragraph (b) reading as follows:

§ 160.034-1 Applicable specifications.

(b) *Copies on file.* A copy of the specification regulations referred to in this section shall be kept on file by the manufacturer, together with the approved plans and certificate of approval. They shall be kept for a period consisting of the duration of approval and 6 months after termination of approval. The specification may be obtained from the Commandant, U.S. Coast Guard, Washington, D.C., 20226.

Subpart 160.036—Signals, Distress, Hand-Held Rocket-Propelled Parachute Red Flare, for Merchant Vessels

§ 160.036-7 [Amended]

30. Section 160.036.7 *Procedure for approval* is amended by changing the address in the first sentence of paragraph (a) from "Washington 25, D.C." to "Washington, D.C., 20226."

Subpart 160.037—Signals, Distress, Hand Orange Smoke, for Merchant Vessels

§ 160.037-1 [Amended]

31. Section 160.037-1 *Applicable specifications and plans* is amended by changing the address in the last sentence of paragraph (c) from "Washington 25, D.C." to "Washington, D.C., 20226."

§ 160.037-7 [Amended]

32. Section 160.037-7 *Procedure for approval* is amended by changing the address in the first sentence of paragraph (a) from "Washington 25, D.C." to "Washington, D.C., 20226."

Subpart 160.040—Line-Throwing Appliance, Impulse-Projected Rocket Type (and Equipment), for Merchant Vessels

§ 160.040-1 [Amended]

33. Section 160.040-1 *Applicable specifications* is amended by changing the address in the last sentence in paragraph (b) from "Washington 25, D.C." to "Washington, D.C., 20407."

§ 160.040-7 [Amended]

34. Section 160.040-7 *Procedure for approval* is amended by changing in the first sentence of paragraph (a) the address from "Washington 25, D.C." to "Washington, D.C., 20226."

Subpart 160.041—Kits, First-Aid, for Merchant Vessels

35. Section 160.041-1(c) is amended to read as follows:

§ 160.041-1 Applicable specification and publication.

(c) *Copies of the specification and publication referred to in this section shall be kept on file by the manufacturer, together with the approved plans and certificate of approval. They shall be kept for a period consisting of the duration of approval and 6 months after termination of approval. The Federal specification may be purchased from the Business Service Center, General Services Administration, Washington, D.C., 20407. The Naval Bureau of Standards publication may be purchased from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C., 20402.*

§ 160.041-7 [Amended]

36. Section 160.041-7 *Procedure for approval* is amended by adding at the end of the first sentence of paragraph (a) the Zip Code number "20226."

Subpart 160.044—Pumps, Bilge, Lifeboat, for Merchant Vessels

§ 160.044-6 [Amended]

37. Section 160.044-6 *Procedure for approval* is amended by adding at the end of the first sentence in paragraph (a) the Zip Code number "20226."

Subpart 160.051—Inflatable Life Rafts

§ 160.051-9 [Amended]

38. Section 160.051-9 *Procedure for approval* is amended by changing the address in the first sentence of paragraph (a) from "Washington 25, D.C." to "Washington, D.C., 20226."

Subpart 160.053—Work Vests, Unicellular Plastic Foam

39. Section 160.053-1(b) is amended to read as follows:

§ 160.053-1 Applicable specification.

(b) *Copies on file.* Copies of the specification referred to in this section, as well as the various specifications forming a part thereof, shall be kept on file by the manufacturer, together with the

certificate of approval. They shall be kept for a period consisting of the duration of approval and 6 months after termination of approval. Federal specifications may be purchased from the Business Service Center, General Services Administration, Washington, D.C., 20407. Military specifications may be obtained from the Commanding Officer, Naval Supply Depot, 5801 Tabor Avenue, Philadelphia, Pa., 19120.

§ 160.053-6 [Amended]

40. Section 160.053-6 *Procedure for approval* is amended by changing the address in the first sentence of paragraph (a) from "Washington 25, D.C." to "Washington, D.C., 20226."

Subpart 160.054—Kits, First-Aid, for Inflatable Life Rafts

41. Section 160.054-1(b) is amended to read as follows:

§ 160.054-1 Applicable specification.

(b) *Copies on file.* Copies of the specification regulations referred to in this section shall be kept on file by the manufacturer, together with the approved plans and certificate of approval. They shall be kept for a period consisting of the duration of approval and 6 months after termination of approval. The Coast Guard specification may be obtained from the Commandant, U.S. Coast Guard, Washington, D.C., 20226.

§ 160.054-7 [Amended]

42. Section 160.054-7 *Procedure for approval* is amended by changing the address in the first sentence of paragraph (a) from "Washington 25, D.C." to "Washington, D.C., 20226."

(R.S. 4405, as amended, 4402, as amended; 46 U.S.C. 375, 416. Treasury Department Order 120, July 31, 1950, 16 F.R. 6521)

PART 161—ELECTRICAL EQUIPMENT

Subpart 161.003—Flashlights, Electric, Hand, for Merchant Vessels

1. Section 161.003-1(b) is amended to read as follows:

§ 161.003-1 Applicable specifications.

(b) *Copies of the specification referred to in this section shall be kept on file by the manufacturer, together with the approved plans and certificate of approval. They shall be kept for a period consisting of the duration of the approval and 6 months after termination of approval. The Federal specifications may be purchased from the Business Service Center, General Services Administration, Washington, D.C., 20407.*

§ 161.003-8 [Amended]

2. Section 161.003-8 *Procedure for approval* is amended by changing the address in the first sentence of paragraph (a) from "Washington 25, D.C." to "Washington, D.C., 20226."

(R.S. 4405, as amended, 4402, as amended; 46 U.S.C. 375, 416. Treasury Department Order 120, July 31, 1950, 16 F.R. 6521)

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mandant, U.S. Coast Guard, Washington, D.C., 20226. The Federal specifications and standards may be purchased from the Business Service Center, General Services Administration, Washington, D.C., 20407. The Military specifications may be obtained from the Commanding Officer, Naval Supply Depot, 5801 Tabor Avenue, Philadelphia, Pa., 19120.

§ 160.005-3 [Amended]

7. Section 160.005-3 *Materials* is amended by changing a specification reference in paragraph (d) from "MIL-F-10400 for Type I, Class 1, film" to "L-P-375 for Type I film."

§ 160.005-4 [Amended]

8. Section 160.005-4 *Construction* is amended by changing a reference in paragraph (h) from "specification DDD-S-751" to "Standard No. 751."

Subpart 160.013—*Hatchets (Lifeboat and Life Raft) for Merchant Vessels*

9. Section 160.013-1(c) is amended to read as follows:

§ 160.013-1 *Applicable specification and plan.*

(c) *Copy on file.* A copy of the specification and plan referred to in this section shall be kept on file by the manufacturer, together with the approved plans and certificate of approval. They shall be kept for a period consisting of the duration of approval and 6 months after termination of approval. The Federal specification may be purchased from the Business Service Center, General Services Administration, Washington, D.C., 20407. The Coast Guard plan may be obtained upon request from the Commandant, U.S. Coast Guard, Washington, D.C., 20226.

§ 160.013-6 [Amended]

10. Section 160.013-8 *Procedure for approval* is amended by changing the address in paragraph (a) from "Washington 25, D.C." to "Washington, D.C., 20226."

Subpart 160.017—*Ladders, Embarkation-Debarkation (Flexible), for Merchant Vessels*

11. Section 160.017-1 is amended by revising paragraphs (a)(1) and (c) to read as follows:

§ 160.017-1 *Applicable specifications.*

(a) *Specifications.* The following specifications, of the issue in effect on the date embarkation-debarkation ladders are manufactured, form a part of this subpart:

(1) *Federal specifications:*

RR-C-271—Chain and Attachments, Welded, Weldless, and Roller Chain.
TT-W-572—Wood Preservative, Water Repellent.
T-R-605—Rope, Manila and Sisal.

(c) *Copies on file.* Copies of the specifications and plans referred to in this section shall be kept on file by the manufacturer, together with a copy of this specification, the approved plans, and the certificate of approval. They shall be

kept for a period consisting of the duration of approval and 6 months after termination of approval. The Coast Guard specifications and plans may be obtained upon request from the Commandant, U.S. Coast Guard, Washington, D.C., 20226. The Federal specifications may be purchased from the Business Service Center, General Services Administration, Washington, D.C., 20407.

§ 160.017-3 [Amended]

12. Section 160.017-3 *Materials for Type I ladders* is amended by revising the specification reference in paragraph (a) from "Specification MIL-R-16060" to "Federal specifications T-R-605."

§ 160.017-10 [Amended]

13. Section 160.017-10 *Procedure for approval* is amended by revising the address in the first sentence of paragraph (a) from "Washington 25, D.C., 20226." to "Washington, D.C., 20226."

Subpart 160.021—*Signals, Distress, Hand Red Flare, for Merchant Vessels*

§ 160.021-1 [Amended]

14. Section 160.021-1 *Applicable specifications and plans* is amended by changing the address in the last sentence of paragraph (c) from "Washington 25, D.C." to "Washington, D.C., 20226."

§ 160.021-7 [Amended]

15. Section 160.021-7 *Procedure for approval* is amended by changing the address in the first sentence of paragraph (a) from "Washington 25, D.C." to "Washington, D.C., 20226."

Subpart 160.022—*Signals, Distress, Floating Orange Smoke, for Merchant Vessels*

§ 160.022-6 [Amended]

16. Section 160.022-6 *Procedure for approval* is amended by changing the address in the first sentence of paragraph (a) from "Washington 25, D.C." to "Washington, D.C., 20226."

Subpart 160.023—*Signals, Distress, Combination Flare and Smoke, Hand, for Merchant Vessels*

§ 160.023-1 [Amended]

17. Section 160.023-1 *Applicable specifications* is amended by changing the address in the last sentence of paragraph (b) from "Secta 2, N.Y." to "5801 Tabor Avenue, Philadelphia, Pa., 19120."

§ 160.023-7 [Amended]

18. Section 160.023-7 *Procedure for approval* is amended by adding to the first sentence in paragraph (a) the Zip Code number "20226."

Subpart 160.024—*Signals, Distress, Pistol-Projected Parachute Red Flare, for Merchant Vessels*

§ 160.024-1 [Amended]

19. Section 160.024-1 *Applicable specifications and plans* is amended by changing the address in the last sentence in paragraph (c) from "Washington 25, D.C." to "Washington, D.C., 20226."

§ 160.024-7 [Amended]

20. Section 160.024-7 is amended by changing the address in the first sentence of paragraph (a) from "Washington 25, D.C." to "Washington, D.C., 20226."

Subpart 160.027—*Life Floats for Merchant Vessels*

§ 160.027-9 [Amended]

21. Section 160.027-9 *Procedure for approval* is amended by adding at the end of the first sentence in paragraph (a) the Zip Code number "20226."

Subpart 160.028—*Signal Pistols for Parachute Red Flare Distress Signals for Merchant Vessels*

§ 160.028-1 [Amended]

22. Section 160.028-1 *Applicable specifications and plans* is amended by changing the address in the last sentence in paragraph (c) from "Washington 25, D.C." to "Washington, D.C., 20226."

§ 160.028-7 [Amended]

23. Section 160.028-7 *Procedure for approval* is amended by adding to the first sentence of paragraph (a) the Zip Code number "20226."

Subpart 160.031—*Line-Throwing Appliance, Shoulder Gun Type (and Equipment), for Merchant Vessels*

24. Section 160.031-1 is amended to read as follows:

§ 160.031-1 *Applicable specifications.*

(a) The following specifications, of the issue in effect on the date the shoulder gun type line-throwing appliances are manufactured, forms a part of this specification:

(1) *Federal specifications:*

T-R-605—Rope, Manila and Sisal.

(b) A copy of the specification referred to in this section shall be kept on file by the manufacturer, together with the approved plans and certificate of approval. They shall be kept for a period consisting of the duration of approval and six months after termination of approval. The Federal specifications may be purchased from the Business Service Center, General Services Administration, Washington, D.C., 20407.

§ 160.031-4 [Amended]

25. Section 160.031-4 *Equipment for shoulder gun type line-throwing appliances* is amended by changing the reference specification identification in paragraph (c) from "T-R-601" to "T-R-605."

§ 160.031-7 [Amended]

26. Section 160.031-7 *Procedure for approval* is amended by adding at the end of the first sentence of paragraph (a) the Zip Code number "20226."

Subpart 160.032—*Davits for Merchant Vessels*

§ 160.032-3 [Amended]

27. Section 160.032-3 *Construction of davits* is amended by changing references to A.S.T.M. standard specifications in paragraph (c) from "A7-46" to "A7"

SUBCHAPTER H—PASSENGER VESSELS**PART 73—WATERTIGHT SUBDIVISION**

Subpart 73.10—Rules for Subdivision—Vessels on International Voyages and Vessels of 150 Gross Tons and Over in Ocean or Coastwise Service

§ 73.10-5 [Amended]

Section 73.10-5 *Permeability* is amended by changing the second sentence of paragraph (d) the factor for spaces containing machinery from "80" to "85."

(R.S. 4405, as amended, 4412, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4417, as amended, 4418, as amended, 4426, as amended, 4488, as amended, 4490, as amended, sec. 3, 24 Stat. 129, as amended, sec. 10, 35 Stat. 428, as amended, 41 Stat. 305, as amended, sec. 2, 45 Stat. 305, as amended, sec. 2, 45 Stat. 1493, as amended, sec. 2, 45 Stat. 828, as amended, sec. 5, 49 Stat. 1384, as amended, sec. 1, 2, 49 Stat. 1544, 1545, as amended, sec. 17, 54 Stat. 166, as amended, sec. 9, 54 Stat. 347, as amended, sec. 8, 70 Stat. 182, sec. 8, 68 Stat. 675; 46 U.S.C. 391, 392, 404, 481, 482, 483, 395, 363, 85a, 88a, 369, 867, 526p, 1333, 390b, 50 U.S.C. 198; E.O. 11239, 30 F.R. 9671, 3 CFR, 1965 Supp. Treasury Department Orders 120, July 31, 1950, 15 F.R. 6521; 167-14, Nov. 26, 1954, 19 F.R. 8026; 167-20, June 18, 1956, 21 F.R. 4894; CGFR 56-28, July 24, 1956, 21 F.R. 5659; 167-88, Oct. 26, 1959, 24 F.R. 8857; 167-48, Oct. 19, 1962, 27 F.R. 10504)

PART 78—OPERATIONS

Subpart 78.10—Persons Allowed in Pilothouse and on Navigation Bridge

§ 78.10-5 [Cancelled]

Section 78.10-5 *Posting* is canceled.

(R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416. Treasury Department Order 120, July 31, 1950, 15 F.R. 6521)

SUBCHAPTER I—CARGO AND MISCELLANEOUS VESSELS**PART 92—CONSTRUCTION AND ARRANGEMENT****Subpart 92.01—Hull Structure**

Subpart 92.01 is amended by inserting after § 92.01-10 a new section reading as follows:

§ 92.01-13 Sliding watertight doors.

(a) Sliding watertight doors, where fitted, shall be designed, tested, and installed in accordance with Subpart 163.001 of Subchapter Q (Specifications) of this chapter.

(R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4417, as amended, 4418, as amended, 4426, as amended, 4488, as amended, 4490, as amended, sec. 3, 24 Stat. 129, as amended, 41 Stat. 305, as amended, sec. 2, 45 Stat. 1943, as amended, sec. 2, 49 Stat. 828, as amended, secs. 1, 2, 49 Stat. 1544, 1545, as amended, sec. 8, 68 Stat. 675; 46 U.S.C. 391, 392, 404, 481, 482, 483, 363, 85a, 88a, 367, 50 U.S.C. 198; E.O. 11239, 30 F.R. 9671, 3 CFR, 1965 Supp. Treasury Department Orders 120, July 31, 1950, 15 F.R. 6521; 167-14, Nov. 26, 1954, 19 F.R. 8026; CGFR 56-28, July 24, 1956, 21 F.R. 5659; 167-88, Oct. 26, 1959, 24 F.R. 8857)

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PART 97—OPERATIONS

Subpart 97.11—Persons Allowed in Pilothouse and on Navigation Bridge

§ 97.10-10 [Cancelled]

Section 97.10-10 *Posting* is canceled. (R.S. 4405, as amended, 4412, as amended; 46 U.S.C. 375, 416. Treasury Department Order 120, July 31, 1950, 15 F.R. 6521)

SUBCHAPTER P—MANNING OF VESSELS**PART 157—MANNING REQUIREMENTS**

Subpart 157.35—Special Duties of Pilots and Inland Mates

§ 157.35-5 [Amended]

Section 157.35-5 *Duties of mates of inland steam vessels* is amended by canceling paragraph (b).

(R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416. Treasury Department Order 120, July 31, 1950, 15 F.R. 6521)

SUBCHAPTER Q—SPECIFICATIONS**PART 160—LIFESAVING EQUIPMENT**

Subpart 160.001—Life Preservers, General

§ 160.001-3 [Amended]

1. Section 160.001-3 *General provisions for approval of life preservers* is amended by changing the address in paragraph (a) from "Washington 25, D.C." to "Washington, D.C. 20226."

(R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416)

Subpart 160.002—Life Preservers, Kapok, Adult and Child (Jacket Type), Models 3 and 5

2. Section 160.002-1 is amended by revising paragraphs (a) and (c) to read as follows:

§ 160.002-1 Applicable specifications and plans.

(a) *Specifications.* The following specifications, of the issue in effect on the date life preservers are manufactured, formed a part of this subpart:

(1) *Military specifications:*

MIL-C-203—Cotton, Drill, Fully Shrunk.

MIL-W-630—Webbing, Textile, Cotton, General Purpose Natural or in Colors.

MIL-T-3530—Treatment, Mildew-Resistant for Thread and Twine.

(2) *Federal specifications:*

V-T-270—Thread, Cotton.

CCC-T-191—Textile Test Methods.

L-P-375—Plastic Film, Flexible, Vinyl Chloride.

(3) *Federal Standards:*

No. 751—Stitches, Seams, and Stitching.

(4) *Coast Guard specifications:*

164.003—Kapok, Processed.

(c) *Copies on file.* Copies of the specifications and plans referred to in this section shall be kept on file by the manufacturer, together with the certificate of approval. They shall be kept for a period consisting of the duration of approval and 6 months after termination of approval. The Coast Guard plans may be obtained upon request from the Com-

facturer, together with the certificate of approval. They shall be kept for a period consisting of the duration of approval and 6 months after termination of approval. The Coast Guard specifications and plans may be obtained upon request from the Commandant, U.S. Coast Guard, Washington, D.C. 20226. The Federal specifications and standards may be purchased from the Business Service Center, General Services Administration, Washington, D.C. 20107. The Military specifications may be obtained from the Commanding Officer, Naval Supply Depot, 5801 Tabor Avenue, Philadelphia, Pa., 19120.

§ 160.002-3 [Amended]

3. Section 160.002-3 *Materials* is amended by changing the specifications reference in paragraph (d) from "MIL-F-10409 for Type I, Class I, film" to "L-P-375 for Type I film."

§ 160.002-4 [Amended]

4. Section 160.002-4 *Construction* is amended by changing the reference in paragraph (h) from "Federal specification DDD-S-751" to "Federal standard No. 751."

§ 160.002-7 [Amended]

5. Section 160.002-7 *Procedure for approval* is amended by inserting at the end of the first sentence in paragraph (a) the Zip Code number "20226."

(R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416)

Subpart 160.005—Life Preservers, Fibrous Glass, Adult and Child (Jacket Type), Models 52 and 56

6. Section 160.005-1 is amended by revising paragraphs (a) and (c) to read as follows:

§ 160.005-1 Applicable specifications and plans.

(a) *Specifications.* The following specifications, of the issue in effect on the date life preservers are manufactured, formed a part of this subpart:

(1) *Federal specifications:*

V-T-270—Thread, Cotton.

CCC-T-191—Textile Test Methods.

L-P-375—Plastic Film, Flexible, Vinyl Chloride.

(2) *Federal standards:*

No. 751—Stitches, Seams, and Stitching.

(3) *Military specifications:*

MIL-C-300—Cloth, Cotton, Drill, Fully Shrunk.

MIL-W-630—Webbing, Cotton, General Purpose Natural or in Colors.

MIL-B-2700—Batt, Fibrous Glass, Lifesaving Equipment.

MIL-T-3530—Treatment, Mildew-Resistant for Thread and Twine.

(c) *Copies on file.* Copies of the specifications and plans referred to in this section shall be kept on file by the manufacturer, together with the certificate of approval. They shall be kept for a period consisting of the duration of approval and 6 months after termination of approval. The Coast Guard plans may be obtained upon request from the Com-

RULES AND REGULATIONS

Registers of January 27, and February 13, 1965 (30 F.R. 832-842, 2030, 2031), and the Merchant Marine Council Public Hearing Agenda dated March 23, 1965 (CG-210), the Merchant Marine Council held a public hearing on March 23, 1965, for the purpose of receiving comments, views, and data with respect to the proposals described. These proposals were identified as Items I to XI, inclusive. Item II contained proposals regarding physical examinations for applicants for original licenses as merchant marine officers and motorboat operators. Item XI contained proposals regarding packaged, automatically controlled, auxiliary boilers. The Merchant Marine Council considered the proposals and comments submitted and recommended adoption of the proposals which were revised in line with certain comments received. The proposals in Item II and XI, as revised, are adopted and set forth in this document, which is fifth of a series covering regulations and other actions considered in this public hearing.

Other miscellaneous amendments are included in this document beside those based on the proposals in the Merchant Marine Council Public Hearing Agenda (CG-210). The requirements regarding the posting of various forms containing laws or regulations were reviewed and it was determined that posting of Form CG-802, Persons Allowed in Pilothouse and on Navigation Bridge, and Form CG-810, Duties of Mates of Inland Steam Vessels, was no longer justified. Therefore, the posting requirements are canceled for these forms and §§ 2.20-1, 73.10-5, 77.10-10, and 167.35-5 are amended or canceled as necessary.

The existing regulations in Specification Subpart 103.001 contain the requirements governing sliding watertight doors and door controls regardless of the type of vessel on which installed and provides for the design, installation and test for such equipment. The new regulation designated 46 CFR 03.01-13 adds an appropriate cross reference to the regulations covering construction and arrangement of cargo and miscellaneous vessels. The amendment to 46 CFR 167.03-50 revises the requirements regarding Form CG-811 which contains instructions for the use of breeches buoys and lifesaving signals as provided in the 1960 International Convention for Safety of Life at Sea.

Various regulations in 46 CFR Chapter I contain references to laws, regulations, specifications, addresses, etc., which have been amended, changed or renumbered. Therefore, editorial amendments are included in this document to bring them up to date. The amendment to 46 CFR 73.10-5, regarding subdivision for passenger vessels, is to bring the regulations into agreement with the 1960 Safety of Life at Sea Convention, for an item which had been inadvertently omitted.

By virtue of the authority vested in me as Commandant, U.S. Coast Guard, by section 602, of Title 14, U.S. Code, and Treasury Department Order 120 dated July 31, 1950 (15 F.R. 6521), and others

specifically noted with the various regulations below, the following actions are ordered:

1. The vessel inspection regulations shall be amended in accordance with the changes in this document.

2. The amendments to the regulations shall be effective 90 days after the date of publication of this document in the *FEDERAL REGISTER*.

3. The regulations in this document may be complied with during the period prior to the effective date specified in lieu of existing requirements.

SUBCHAPTER A—PROCEDURES APPLICABLE TO THE PUBLIC

PART 2—VESSEL INSPECTIONS

Subpart 2.20—Reports and Forms

Section 2.20-1 is amended to read as follows:

§ 2.20-1 Forms.

(a) *Posting.* Statutes and regulations require that certain forms be posted on vessels referred to in the statutes and regulations. The titles of the forms indicate the content of the forms. They may be obtained from any Officer in Charge, Marine Inspection. The Coast Guard forms and the statutes or regulations which require that they be posted are listed in this section.

(b) CG-501. This form "Station Bills, Drills, and Reports of Masters" is required by §§ 35.10-5, 78.17-50(f), and 07.13-23(d) of this chapter.

(c) CG-511. This placard "Lifesaving Signals and Breeches Buoy Instructions" is required by §§ 35.10-5, 78.52-5, 07.43-6, and 07.10-50 of this chapter.

(d) CG-512. This form "Acoustic Attack Instructions for Merchant Vessels in Port" is required by 33 CFR 122.10.

(e) CG-507. This form "Pilot Rules for the Great Lakes and Their Connecting and Tributary Waters" is required by 33 U.S.C. 210 and 33 CFR 90.15.

(R.S. 4405, as amended, 4402, as amended; 46 U.S.C. 375, 410. Interpret or apply sec. 3, 63 Stat. 220, 5 U.S.C. 1003. Treasury Department Order 120, July 31, 1950, 15 F.R. 6521)

SUBCHAPTER B—MERCHANT MARINE OFFICERS AND SEAMEN

PART 10—LICENSING OF OFFICERS AND MOTORBOAT OPERATORS AND REGISTRATION OF STAFF OFFICERS

Subpart 10.02—General Requirements for All Deck and Engineer Officers' Licenses

§ 10.02-1 [Amended]

1. Section 10.02-1 *Issuance of licenses* is amended by changing in second sentence of paragraph (a) the reference from "8 U.S.C. 801" to "8 U.S.C. 1481" and by changing in first sentence of paragraph (d) the reference from "50 U.S.C. 733" to "10 U.S.C. 936 or 14 U.S.C. 630."

ia. Section 10.02-5(e) (7) is amended to read as follows:

S 10.02-5 Requirements for original licenses.

(e) * * *
(7) Where an applicant is not possessed of the vision, hearing, or general physical condition necessary, the Officer in Charge, Marine Inspection, after consultation with the Public Health Service physician or other examining physician, may make recommendation to the Commandant for an exception to these requirements, if in his opinion, extenuating circumstances warrant special consideration. Any requests for a decision by the Commandant must be accompanied by all pertinent correspondence, records, and reports. In this connection recommendations from agencies of the Federal Government operating Government vessels, as well as owners and operators of private vessels, made in behalf of their employees, will be given full consideration in arriving at a decision.

(R.S. 4405, as amended, 4402, as amended; 46 U.S.C. 375, 410. Interpret or apply R.S. 4417a, as amended, 4420, as amended, 4417, as amended, 4438, as amended, 4436, as amended, 4439, as amended, 4440, as amended, 4441, as amended, 4442, as amended, 4443, as amended, 4443, as amended, sec. 2, 63 Stat. 188, as amended, sec. 1, 64 Stat. 1411, as amended, secs. 1, 2, 63 Stat. 1544, 1545, as amended, sec. 3, 70 Stat. 163, and sec. 3, 63 Stat. 675; 46 U.S.C. 391a, 404, 405, 224, 224a, 226, 229, 229, 214, 230, 231, 228, 237, 390b, 50 U.S.C. 103. Treasury Department Orders 167-14, November 23, 1959, 19 F.R. 6020; 167-20, June 10, 1959, 21 F.R. 4012)

Subpart 10.20—Motorboat Operators Licenses

2. Section 10.20-7(a) (4) is amended to read as follows:

§ 10.20-7 Physical examination requirements.

(a) * * *
(4) Where an applicant is not possessed of the vision, hearing, or general physical condition necessary, the Officer in Charge, Marine Inspection, after consultation with the Public Health Service physician or other examining physician, may make recommendation to the Commandant for an exception to these requirements, if in his opinion, extenuating circumstances warrant special consideration. Any requests for a decision by the Commandant must be accompanied by all pertinent correspondence, records, and reports. In this connection recommendations from agencies of the Federal Government operating Government vessels, as well as owners and operators of private vessels, made in behalf of their employees, will be given full consideration in arriving at a decision.

(R.S. 4405, as amended, 4402, as amended; 46 U.S.C. 375, 410. Interpret or apply secs. 7, 17, 54 Stat. 165, as amended, 166, as amended; 46 U.S.C. 622a, 622b. Treasury Department Orders 120, July 31, 1950, 15 F.R. 6521; 167-20, June 10, 1959, 21 F.R. 4804)

Title 46—SHIPPING

**Chapter I—Coast Guard, Department
of the Treasury**
(46 CFR 65-10)

**MISCELLANEOUS AMENDMENTS RE-
GARDING VESSEL INSPECTION**

**b: Pursuant to the notice of proposed
rule making published in the FEDERAL**